

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.57

Library



DAHLIAS

OF
QUALITY AND DISTINCTION

DAHLIADEL
NURSERIES

WARREN W. MAYTROT

VINELAND,
N.J.

1935

POTASH-FED
DAHLIAS



Forest Fire

FOREST FIRE (Dahliadel 86), ID, 1935, c g e; Bloom 10 x 6, Bush 4½ ft. The most spectacular of any dahlia we have ever grown. In the bi-color classes this variety should have a wonderful future, as our interpretation of a bi-color dahlia is one having two distinct colors on the face of the petal. Forest Fire has distinct lemon yellow for about one-third the length of the petals, then shaded to rich scarlet toward the tips enhanced by clear yellow petaloids. This variety is a rather stocky grower but can be very nicely handled by following Drawing Y. This will keep the blooms sufficiently above the foliage under all growing conditions. Certified at Storrs, Conn., 1934, 85.5, and at East Lansing, Michigan, 85, we can recommend this novelty to you as the most distinctive dahlia introduced in years. The crowds were attracted to it in our display wherever we exhibited.

Roots, \$10.00; Plants, \$5.00



Potash-Fed Dahlias

Last season it was most gratifying to see the increased interest and enthusiasm in dahlias, probably due to our having a better growing season in the East than we have experienced in the last three or four years; or because our newer varieties may have more charm and real beauty. It was perhaps both, along with the fact that we have so many really good and useful dahlias at reasonable prices. We appreciate the way our customers have been showing their preference for POTASH-FED DAHLIAS, and this year we are growing more plants than ever before.

Many of our customers wait until late in the season to place their orders, which makes it very hard for us to make delivery on time. Won't you please co-operate by ordering as early as possible and avoid possible disappointment due to shortage of stock? This will make it possible for us to reserve your order and have it ready to ship whenever you specify. We will make any changes in your order which you may request before shipment is made, and be glad to co-operate with you by booking your orders early and rendering bill ten days before shipping at which time you may make payment. Of course, roots may be shipped C. O. D. if desired.

You will find this catalog one of the easiest from which to select your favorites, classified as it is to types with varieties of similar form under each illustration. The originator's and disseminator's name is given (see description of Democracy, page 2), with the disseminator's name following when not introduced by the originator. The number directly following is our score as the variety grows in Southern Jersey.

The year of introduction of the newer varieties is next noted. The letters, c g e, classify the dahlia to its use: (c) Cut flowers—suitable for the florist, for baskets, bouquets and decoration. Keeping qualities have preference over size. (g) Garden varieties—suitable for landscape work, borders, beds and mass planting. (e) Exhibition varieties—winners on the exhibition table, having qualities that score high in competitive judging, size, form, stem and color predominating. The size of bloom is indicated in inches and height of bush in feet.

Six pages in this catalog are devoted to cultural instructions. However, there is something more essential and necessary than culture, and that is the stock you grow. You cannot grow an 8-inch bloom on a 4-inch variety. You cannot make a late bloomer flower early. You cannot make a temperamental variety produce well every year. Varieties which we have found particularly suited to sectional growing conditions are listed on page 36.

A number of our standard varieties have been materially reduced in price this season. Dahlias are all so reasonably priced now that you will want more than one of a kind of your favorites. We therefore offer the following quantity discounts on roots and plants:

Three of any one variety—less	10%
Six " " " " " "	20%
Ten " " " " " "	25%

The above quantity discounts do not apply to Odd Lots, Special Offers, or Collections.

CONTENTS

DAHLIADEL RECOMMENDATIONS

1935 Introductions	C, 2-9, 38, 40, 41
Color and Climate Classes.....	36
(Varieties Suited to Special Sections North, Middle West, South, with Uses of these varieties.)	

DAHLIAS CLASSIFIED TO TYPE

Straight, Incurved and Recurved Cactus,	7, 8, 10, 11
Semi-Cactus	5, 8, 9, 12, 14
Semi-Cactus or Informal Decorative....	15, 16
Informal Decorative	C, 6, 8, 16-23
Formal Decorative.....	2, 3, 4, 7-9, 30-35
Ball and Peony.....	37
Orchid Flowering	38
Miniature	9, 39, 40, 41
Anemone, Collarette, Single.....	42
Pompon	42, 43

CULTURAL INSTRUCTIONS

Soil Preparation—Drainage—Liming.....	24
Fertilizer	24
Planting—Where, When and How to	
Plant—Roots—Green Plants	24, 25
Pinching Out and Disbudding—Drawings	
X, Y, Z.....	25-27
Irrigation—Cultivation	27, 28
Pests—Thrips—Leaf-Hoppers—Aphids—	
Red Spider—Cut Worms—Stem Borer	
—Mildew—Stunt	28, 29
Cut Flowers	29
Digging and Storing—Dividing Clumps..	29
Culture of Miniature Dahlias.....	39

NEWS ITEMS AND SPECIAL FEATURES

Mid-West Dahlia Show.....	7
Camden Dahlia Society.....	11
Dahlia Society of New Jersey.....	12
Dahliadel News	17
Doings of the A. D. S.	31
Potash-Fed Dahlias.....	31
Dahlia Roots or Tubers.....	35
Price vs. Quality.....	35
Dahliadel Green Plants.....	45

MISCELLANY

Quantity Discounts.....	1
A. D. S. Score Card.....	34
Dahlia Seed.....	38
Odd Lots—Free Offer—Collections....	44, 45
Index and Abbreviations.....	46, 47
Guarantee—Terms and Delivery.....	45, 47
Canadian Customers.....	45
Dahlia Growers' Supplies.....	48



Democracy

DEMOCRACY (Wiegand-Dahliadel 85), **FD, 1935, Bloom 9 x 6, Bush 4 ft.** This variety can be grown for exhibition on the central branches of the bush and as a cut flower on the side or lateral branches. Strange as it may seem, the central branches produce blooms facing nearly upward almost as deep as they are in diameter with the petals opening back to the stem. In the garden, this variety resembles huge chrysanthemums at a little distance. The lateral blooms face the side and might be called yellow Jersey's Beauties as they are a deep primrose yellow shaded golden yellow. Strong straight stems, full centers, healthy foliage, an early and profuse bloomer. These qualities along with a certificate at Storrs, 1934, should sufficiently recommend this dahlia.

Roots, \$10.00; Plants, \$5.00



Dahliadel Gold

DAHLIADEL GOLD (Dahliadel 85), **FD, 1935, g e, Bloom 11 x 5, Bush 4½ ft.** This dahlia grows so large and massive naturally that when it is heavily fed with nitrogen for exhibition or over-watered the flower is so heavy that it will tip on its stem. However, this dahlia, grown more naturally, or with plenty of phosphorus and potash and the nitrogen withheld, will produce beautiful and massive blooms on good stems well out of the foliage. We feel confident that this dahlia will make a host of friends. Bush growth is robust with dark leathery foliage. Flowers, as you will note, are beautiful in form and a pleasing color, deep golden yellow, suffused light coral red with darker shadings at center. Try this for the largest bloom class.

Roots, \$10.00; Plants, \$5.00



Elite Sport

ELITE SPORT (Dahliadel 85), **FD**, 1935, **g e**, **Bloom 9 x 5**, **Bush 4½ ft.** A positive sport of Elite Glory, inheriting such good qualities as rugged growth with insect resistant foliage, strong stems, with the bloom an exact counterpart, except in color, which is a soft buff, striped and speckled crimson, making a very striking appearance in the garden or when exhibited. This unique coloring does not fade or burn in the sun. "Sports" usually revert to the original variety to a more or less degree. True to tradition, this reverts about one in ten, also occasionally throws a solid red bloom with a part of the bush blooming as described above. Owing to this uncertainty, we are introducing this variety far below introductory prices of similar dahlias so that you may grow a couple of hills and be assured of having the true Elite Sport.

Roots, \$4.00; Plants, \$2.00



Dorcas Ann

DORCAS ANN (E. & M. Williams-Dahliadel), **S-C**, 1935, **c g e**, **Bloom 7 x 5**, **Bush 4½ ft.** Originally set for introduction at \$10.00, but as it is a good propagator and root maker, and not one of those massive exhibition varieties, we feel that we will obtain a wider distribution at a more moderate price. A dahlia you will enjoy for its sheer beauty rather than size. Therefore, do not judge the merits of this variety by its price. This dahlia is adapted to home decorations, general florists' use, basket and arrangement classes in the show room, as it is a beautiful rose pink shading to creamy white at center. Bush, healthy and robust, stems always erect and flowering habits are ideal. Certified at Storrs, Conn., 1933.

Roots, \$7.50; Plants, \$3.75



Anna Benedict

ANNA BENEDICT (Benedict-Dahliadel 86), ID, 1935, c g e, Bloom 9 x 5, Bush 5½ ft. We are anxious to have this variety tried against any dark red as it is the most satisfactory red we have ever grown. First, the stem is always good even in wet weather. Second, the centers are always full even at the end of the season. Third, the color will stand full sunshine and not fade. Fourth, the substance will carry the blooms through a good rain and windstorm without battering. Lastly, the bush and foliage make a picture of health and vigor. The color is a rich deep garnet with black shadings and shadows at the center of the bloom. This dahlia was certified at Storrs, Conn., 1934, with the high score of all entries of 86.6. We, therefore, feel confident you will be more than pleased with it in the garden, home, or on the exhibition table, as it was certainly outstanding in our exhibits and trials this fall. Early we placed this as a Formal and advertised it as such, but later in the season, it showed Informal and after checking up with the trial grounds, we find it is an Informal, although it is what you call a "border line" dahlia.

Roots, \$10.00; Plants, \$5.00



MID-WEST DAHLIA SHOW

My second trip into the Middle West brought me to the Civic Auditorium in Grand Rapids, where the first Mid-West Show was being staged. This was a wonderful place to hold a show, air-conditioned to perfection for dahlias, so much so that a coat was comfortable and flowers kept wonderfully well considering that they were somewhat soft on account of the excessive rains which followed the dry hot spell.

Trade exhibits were well staged and modern with a large number of the new varieties in evidence. Artistic displays were well competed for, the winner being modernistic and well proportioned, displayed in pottery of black and silver finish, with a dull black background.

Seedling classes were very good and well entered. Mrs. Bruce Collins won the highest award in this class, with Cavalcade a close runner-up. Both of these varieties made a very good showing. Single, three, and six-bloom classes were more in evidence than baskets. Singles, Miniatures, Anemones, and Collarettes are not as popular nor shown as much in the Middle West as in the East, nor is competition as great on pompons.

The Show was well attended and I feel that it was a decided success. Those who organized and staged it deserve a lot of credit and congratulations on their accomplishment.

WARREN W. MAYTROT



Mrs. Bruce Collins



Cavalcade

MRS. BRUCE COLLINS (Groll-Dahliadel), C, 1935, c g e, Bloom 9 x 4, Bush 4 ft. We were much impressed with this Straight Cactus dahlia at Grand Rapids, where it was the winner as the best undisseminated Michigan Seedling, also the best undisseminated dahlia at the First Mid-West Dahlia Society Show. We are introducing Mrs. Bruce Collins with Mr. Groll of Fenton Gardens. It is a primrose or light lemon yellow shading lighter toward the tips but of sufficient depth to show yellow under artificial light. It will not be in competition with Frau O. Bracht, as it is a true Cactus, and we have few in this class that grow to the size and perfection of this dahlia. The low growing bushes are fairly covered with blooms of exhibition size. Fine stems and a continuous bloomer.

Plants only, \$5.00

CAVALCADE (Groll-Dahliadel), FD, 1935, c g e, Bloom 8 x 5, Bush 5½ ft. A fine variety that should have a real future. In form, this dahlia resembles Jersey's Beauty and its stems are almost identical. It is, however, larger in diameter and two or three shades darker. Picture basket arrangements for the show room, home decoration, or florists' use, with Kentucky for a salmon pink, Jersey's Beauty for a soft pink, and Cavalcade for a rich deep rose with tones of rosy magenta. Jersey's Beauty has had such a run of popularity that we welcome another companion in type but different in color. It is a good root maker and we have a limited number of root divisions to offer.

Roots, \$10.00; Plants, \$5.00



Golden Standard INTRODUCTIONS OF OTHER GROWERS

As in former years, we are again testing a number of new varieties which we feel may become worthy of a place in the POTASH FED DAHLIA family. We are glad to offer you an opportunity to purchase plants of these new varieties which we have grown from stock purchased from the originators. As we did not grow these varieties in the fields last year, however, we must rely on the recommendations of the originators or introducers. Because we feel certain that they will be satisfactory, our regular Dahliadel guarantee will apply to them.

ADIRONDACK SUNSET (Cackener-Parkway D. G.), ID, 1935, g e, Bloom 9 x 5, Bush 5½ ft. Color scarlet red with golden tips and reverse. Center of the flower is tipped golden orange. The favorite by popular vote at the New York Botanical Gardens in October, 1934. The petals are long and broad, forming a high center. Recommended to us with good growing habits. **Plants, \$5.00**

ARELDA LLOYD (Smith 86), ID, 1934, c g e, Bloom 10 x 6, Bush 5½ ft. A high score at Storrs of 87 in 1933 and also the outstanding dahlia in the Trial Grounds for that year placed this variety at once in demand. Owing to limited stock and offered in plants only, its distribution was not very wide which makes it almost an introduction this year. Color, a clear lemon yellow with rose suffusion on ends of petals with a clear yellow center, or best described as a yellow Jane Cowl, as form and bush are almost identical. There are a few roots available at \$10.00. **Plants, \$5.00**

BETTE DAVIS (Cordes-Eastman), S-C, 1935, c g e, Bloom 9 x 5, Bush 5½ ft. Blooms are attractive and almost to the Cactus type, of a delightful, perfect form. Different in color, which is a deep violet rose. Winner of seven prizes, such as best undis-seminated dahlia, best Semi-Cactus and most perfect bloom classes. A good keeper in the show room and we can recommend it as a good grower with strong, erect stems and healthy foliage. **Plants, \$5.00**

BUCKEYE QUEEN (Peck), FD, 1935, c g e, Bush 5 ft. Another rugged dahlia from the Buckeye State. This one is a clear, mallow pink or lilac. Stems strong and erect. Won first prize as the best undis-seminated seedling at Cincinnati. Did well at the New York Botanical Gardens, and should be a great favorite. **Plants, \$5.00**

DAISY TURNQUIST (Hulin), S-C, 1935, c g e, Bloom 8 x 3, Bush 6½ ft. An attractive and useful addition to our vast dahlia family, distinctive in form and pleasing in color, which is between a violet rose and rose pink with a yellow shading at base of petals. We believe this variety has a future in the cut flower market as it is a good keeper on stems long and erect. Certified at Storrs, 1934, scoring 85-C. **Plants, \$3.50**

GOLDEN STANDARD (Downs), C, 1935, g e, Bloom 9 x 5, Bush 4½ ft. We admired this dahlia when it won in the seedling class in Camden in 1933, as it is a warm buff shaded amber and gold. Very pleasing in form with full centers and evenly arranged petals. Bush is a good, open grower. Stem holds flower facing at right angles, which shows up well in the garden or when exhibited, although not easy to pack. Won as the best undis-seminated Cactus in New York this season, and also won the President's Cup over all types in the undis-seminated classes. **Roots, \$10.00; Plants, \$5.00**

HILLCREST NUGGET (Scott), ID, 1934, Bloom 10 x 7, Bush 5 ft. The outstanding variety at East Lansing Trial Ground, 1934, where it scored 89.2. The blooms are held well above the large, leathery foliage on strong, erect stems. Blooms are full and deep with petals somewhat cupped, making it distinctive in form and bordering close to the Formal. Color is unusual, as it is an apricot yellow with a cardinal suffusion on the reverse which shows up distinctly on the unopened petals in the center of the flowers. **Plants, \$5.00**

HUNT'S VELVET WONDER (Hunt-Burnett Bros.), ID, 1935, g e, Bloom 10 x 6, Bush 5½ ft. This variety was given an American Home Achievement Medal in New York and won in Camden as the best Informal Decorative Seedling, arousing much interest. The attractive broad petaled blooms are huge and have good, full centers and great depth. The flowers of deep rosy magenta blending into a true purple are well proportioned with a large, dark green foliage. **Plants, \$7.50**

JUDGE SAMUEL SEABURY (Etherington), ID, 1935, g e, Bloom 9 x 5, Bush 6 ft. Won at New York as best Informal Decorative. Certified at Storrs in 1934, along with other winnings. This variety is uniform in color and form and those who like soft or pastel shades should be pleased with this dahlia. Color, flesh or amaranth pink shading to creamy white at center. Foliage rugged, stems and substance good. **Plants, \$5.00**



INTRODUCTIONS OF OTHER GROWERS (Continued)

KAY FRANCIS (Cordes-Eastman), S-C, 1935, c g e, Bloom $8\frac{1}{2} \times 5$, Bush $5\frac{1}{2}$ ft. A prize winner on the table this past season, having eleven first prizes and an American Home Achievement Medal to its credit. The beautiful deep flowers with high, full centers and numerous petals are soft lemon yellow, larger and deeper in color than Frau O. Bracht. This variety is a tall, rugged grower with sturdy stems, but needs some disbudding to produce large blooms. **Plants, \$5.00**

ROCKLEY MOON (Taylor-Ruschmohr), FD, 1935, g e, Bloom 9×4 , Bush 6 ft. This light lemon yellow dahlia shades darker in the center and shows a trace of purple tint on the back. It is a sturdy grower, producing large blooms on strong stems. This variety was judged the best dahlia in the West Virginia Show, 1934, and received a Certificate of Merit in Storrs, Conn., 1933, and East Lansing, Michigan, 1934. **Roots, \$10.00; Plants, \$5.00**

WENOKA (Hulin), FD, 1935, g e, Bloom 10×5 , Bush 5 ft. First to attract the dahlia fan at East Lansing on September 12 where it finally scored 88 or second high for this Trial Grounds. This fine new variety is a clean, attractive color described as a soft Rodamine purple or rosy mauve, different in tone from our other varieties. Outstanding at the New York Botanical Gardens. Good growing habits with stems long and erect. The form is good, with perfect blooms held well above the foliage. A very desirable variety. **Plants, \$10.00**

DAHLIADEL 1935 INTRODUCTION

DAHLIADEL JOY (Dahliadel 87), Min. C, 1935, c g e, Bloom $3\frac{1}{2} \times 2\frac{1}{2}$, Bush $3\frac{1}{2}$ ft. One of the most attractive small dahlias we grew in 1934. It is artistic and uniform, and blooms profusely on long stems without any disbudding. In fact, with disbudding this dahlia will grow to 5 inches or more. It is a wonderful keeper with perfect, full centers until frost. Color, a clear lemon yellow. Popular with the florists. **Plants, \$1.00**

MISS ELSIE JANE (Dahliadel 87), S-C, 1934, c g e, Bloom 6×4 , Bush 5 ft. This variety is continuing to win on the exhibition table, especially in the basket and arrangement classes as it is just about the most artistically formed dahlia we have ever seen. In color, too, it is unique, being a shrimp pink with cream shadings at center and tipped violet rose, a fine and useful color combination. Blooms are uniform and by disbudding can easily be produced 6×4 inches in quantities from early until the end of the season. Certified at Storrs, 1934, and won as the best basket at Camden in hot competition with the larger varieties. We heartily recommend it for sheer beauty, floriferousness, long wiry stems, and usefulness. **Roots, \$4.00; Plants, \$2.00**



Dahliadel Joy (#34-27)

Other Dahliadel 1935 Introductions Pages 38, 40-41.



Miss Elsie Jane

STRAIGHT AND INCURVED CACTUS DAHLIAS

AMERICAN TRIUMPH (Nuneviller 84), g e, Bloom 8 x 4, Bush 5 ft. Color, oriental or bright, clear red. Blooms, with high full centers, are held on long, straight stems. Petals are decidedly incurved when flower is fully developed. A good garden and exhibition flower, as it is an exceptionally good keeper. Susceptible to thrip and leaf-hopper injury, but is well worth your effort when sprayed or dusted. .50

BALLET GIRL (Boston 78), g e, Bloom 8 x 3½, Bush 4½ ft. Beautiful flowers of immense size. Color, orange, tipped white. Some flowers pure orange, with other variations on same bush. Early and free bloomer. .50

CONSERVATRIX (Bruidegom 84), c g e, Bloom 8 x 3½, Bush 4½ ft. One of the most artistic of the incurved Cactus dahlias. Stems long and erect. Keeps as well when cut as the best of the decoratives. An early, free bloomer of good size and beautiful form. Color, bright geranium red. Bush and foliage very satisfactory, but not a heavy root maker. Plants, .50

FRAU IDA MANSFIELD (Schone 88), c g e, Bloom 7 x 4, Bush 4½ ft. One of the most striking and admired dahlias in our Trial Gardens. Color is clear, pale lemon. The revolute petals are cleft giving it the effect of having double the number of normal petals and making a very full and attractive flower. An early and profuse bloomer and a variety we heartily recommend. Roots, \$1.00; Plants, .50

F. W. FELLOWS (Stredwick 80), g e, Bloom 8 x 3½, Bush 5½ ft. Still a favorite on the exhibition table. Flowers are of an ideal Cactus form. Color, lively orange scarlet. Roots, .75; Plants, .50

HOLLYWOOD (Vincent 82), g, Bloom 6 x 2, Bush 4½ ft. A French mauve that is appealing and beautiful for arrangements. We heard many favorable comments on this strong, vigorous grower with good stems. A favorite in the garden. .50

KAREOL (Carlee 84), g e, Bloom 6 x 2½, Bush 4 ft. Incurved Cactus dahlias on long, erect stems are rare. This variety not only qualifies as to stem but is decidedly incurved and a pleasing combination of maize yellow suffused and tipped carmine, shaded old rose. Comes into bloom very early. Roots, \$1.00; Plants, .50

KROON JEWEL (80), Bloom 6 x 3, Bush 5 ft. Color, rich golden bronze. An early and free bloomer, with the beautifully formed flowers held well above the foliage on long, slender, stiff stems. Fine for garden and cutting, and useful for arrangements. .50

LILAC GLORY (Ballego 85), c g e, Bloom 6 x 2½, Bush 4½ ft. One of the prettiest Cactus dahlias we know of. Color, soft violet rose with silver shadings. Stems are slender but strong and erect, making it ideal for baskets and arrangements. Blooms early and continuously. The more you cut the more it produces. Roots, .75; Plants, .50

NEUER GRIFF (83), c g e, Bloom 5 x 2½, Bush 4½ ft. This variety comes close to being a miniature if grown rather poor and not disbudded. Stems are stiff, bush robust and produces just dozens of blooms. A fine little dahlia of violet rose shaded mauve. Roots, \$1.00; Plants, .50

SPORT (Dahliadel 83), g e, Bloom 8 x 3½, Bush 5½ ft. Although a sport of F. W. Fellows with all its merits, it has never reverted to its parent. Deep buttercup yellow with buff shadings at center. Fine for exhibition, and a favorite in the garden. Plants, .50

Frau Ida Mansfield

Sport

Conservatrix



STRAIGHT CACTUS DAHLIAS

AMBASSADOR (Broomall 85), **c g e**, **Bloom 8 x 4, Bush 5 ft.** This fine flower is still very popular at the dahlia shows. Color, soft yellow buff, shaded salmon pink. Well-formed flowers, held erect above the foliage. Bushes branch readily and produce fine exhibition blooms.

Roots, .75; Plants, .50

CALIFORNIA BEAUTY (Broomall 81), **c g e**, **Bloom 7 x 3½, Bush 4½ ft.** A pure copper in color. We have found this variety to be one of the best keepers as a cut flower, and we have never had enough for the market. Bush growth and stem excellent.

Roots, .50; Plants, .50

ELLA MAY (Prentice-Dahliadel 85), **g e**, **Bloom 7 x 5, Bush 5 ft.** This dahlia offers you a true Cactus dahlia with a real good stem. Flowers are large and deep, with full centers, suitable for exhibition or landscape work. Color, deep crimson carmine, dark yet rich and distinctive. Bush is a good open grower.

.50

FRIEDENSENGEL (Engelhardt), **c g**, **Bloom 6 x 3, Bush 4½ ft.** A variety that will make a show in your garden. The long, creamy white petals are suffused soft magenta with yellow shadings. Very pleasing and effective.

Roots, .75; Plants, .50

JUGENDPRACHT (Wolf), **c g e**, **Bloom 7 x 4, Bush 3½ ft.** A glorified Golden Sonne of about the same form and size, of a more pronounced coloring which is a clear yellow, suffused salmon rose, making it very effective for many practical uses, especially when cut.

Roots, .75; Plants, .50

RHEINISCHER FROHSINN (G. & K.), **c g**, **Bloom 5 x 3, Bush 4½ ft.** A brilliantly colored Cactus of white heavily suffused and shaded Tyrian rose. One of the most distinct and striking of the old varieties. Very free blooming and useful for cutting.

Roots, .50; Plants, .50

WARREN CHURCH (85), **g e**, **Bloom 8 x 4, Bush 5 ft.** A sport of Ambassador which is decidedly different in color while in form and bush growth it is identical. The color is soft violet rose shading to white at the center. A fine exhibition variety and a welcome color in the Cactus class.

Roots, \$2.00; Plants, \$1.00

CAMDEN DAHLIA SOCIETY

At the Camden Show the Seedling or Undisseminated Classes were again the outstanding feature, and to our mind these classes were the best we had the privilege of visiting or judging. This Dahlia Society bids fair to exceed in these classes for a third time this year when they will hold their Show on October 4th and 5th. This Show also had the finest arrangement classes of any we saw last year, and we feel that there is especial significance in the fact that dahlias won in a number of the arrangement classes over all other garden flowers. Orchid Flowering types won in two important garden flower classes, showing the possibilities of this new type. Much credit is due the members of this Society for their initiative in showing the public the real uses of the dahlia.

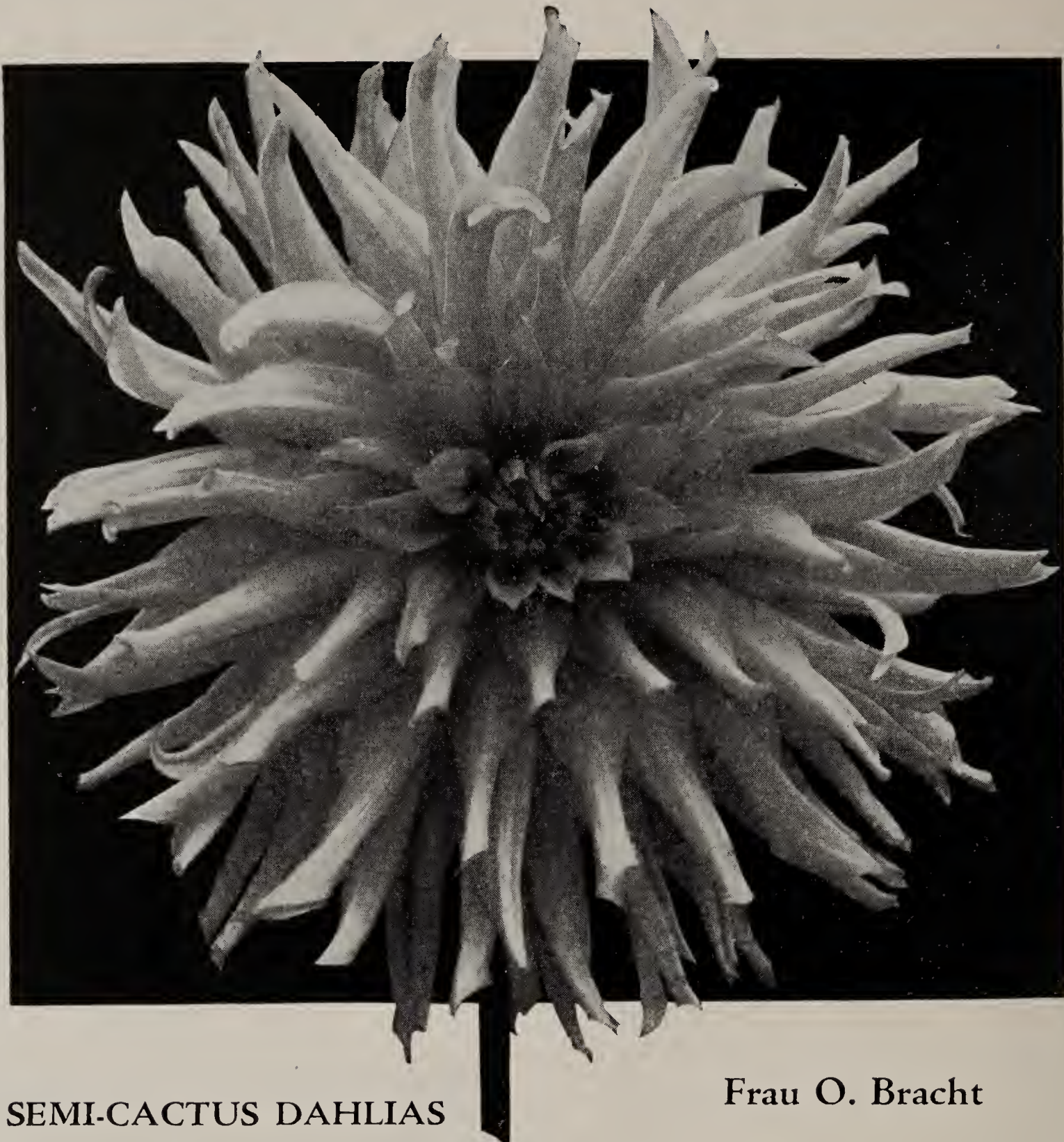


Warren Church



Golden Sonne

GOLDEN SONNE (De Wilde 85), **c g e**, **Bloom 7 x 4, Bush 3 ft.** This variety is one of the best yellow commercial Cactus dahlias grown. It not only gives you a quantity of early blooms suitable for most any use, but continues throughout the season. Flowers are of medium size on excellent stems and keep wonderfully well either on the bush or when cut. Color, clear golden yellow, shading to soft salmon rose on the outside petals. A dahlia we can heartily recommend. **Roots, .50; Plants, .50**



SEMI-CACTUS DAHLIAS

Frau O. Bracht

ADDA PATTERSON (Kemp 81), **c g e**, Bloom 8 x 4, Bush 6½ ft. Although grown for a number of years, this dahlia is still a good white. Flowers are large and of splendid, even form on long, erect stems. .50

CARLA (Dahliadel 85), 1934, **c g e**, Bloom 4½ x 2, Bush 4 ft. Color is buff, heavily shaded old rose and suffused violet rose, a rich contrast to the dark green foliage. The bush growth is compact, making a beautiful background for the perfectly formed Semi-Cactus with especially full centers. Blooms seem to jet out all over the plant. Ideal in the garden and for arrangements. A great favorite. This dahlia will grow 5 to 6 inches if disbudded.

Roots, \$1.50; Plants, .75

FRAU O. BRACHT (Berger 86), **c g e**, Bloom 9 x 4½, Bush 5 ft. This fine dahlia has made a host of friends in this country. It is a wonderful cut flower as well as a great prize winner, keeping well and holding blooms on fine stems. A cleancut, straight-petaled Semi-Cactus, at least it is classified as such, although at times the majority of petals revolute for more than half their length and allow it to qualify as a Cactus. Color, a clear, light primrose yellow. A. D. S. Cert., 1929. It is just about the prettiest yellow Cactus or Semi-Cactus dahlia you can wish for.

Roots, \$1.50; Plants, .75

PAUL PFITZER (Berger 86), **c g e**, Bloom 8 x 4, Bush 4 ft. A German novelty that has won a name for itself in arrangement classes, baskets, and for general florists' use. It is a pleasing combination of sulphur yellow and lilac rose that blends wonderfully well with Frau O. Bracht, and a basket of these two varieties is about the loveliest one could ask for. Strong, vigorous plants with dark foliage and excellent stems. A wonderful cut flower.

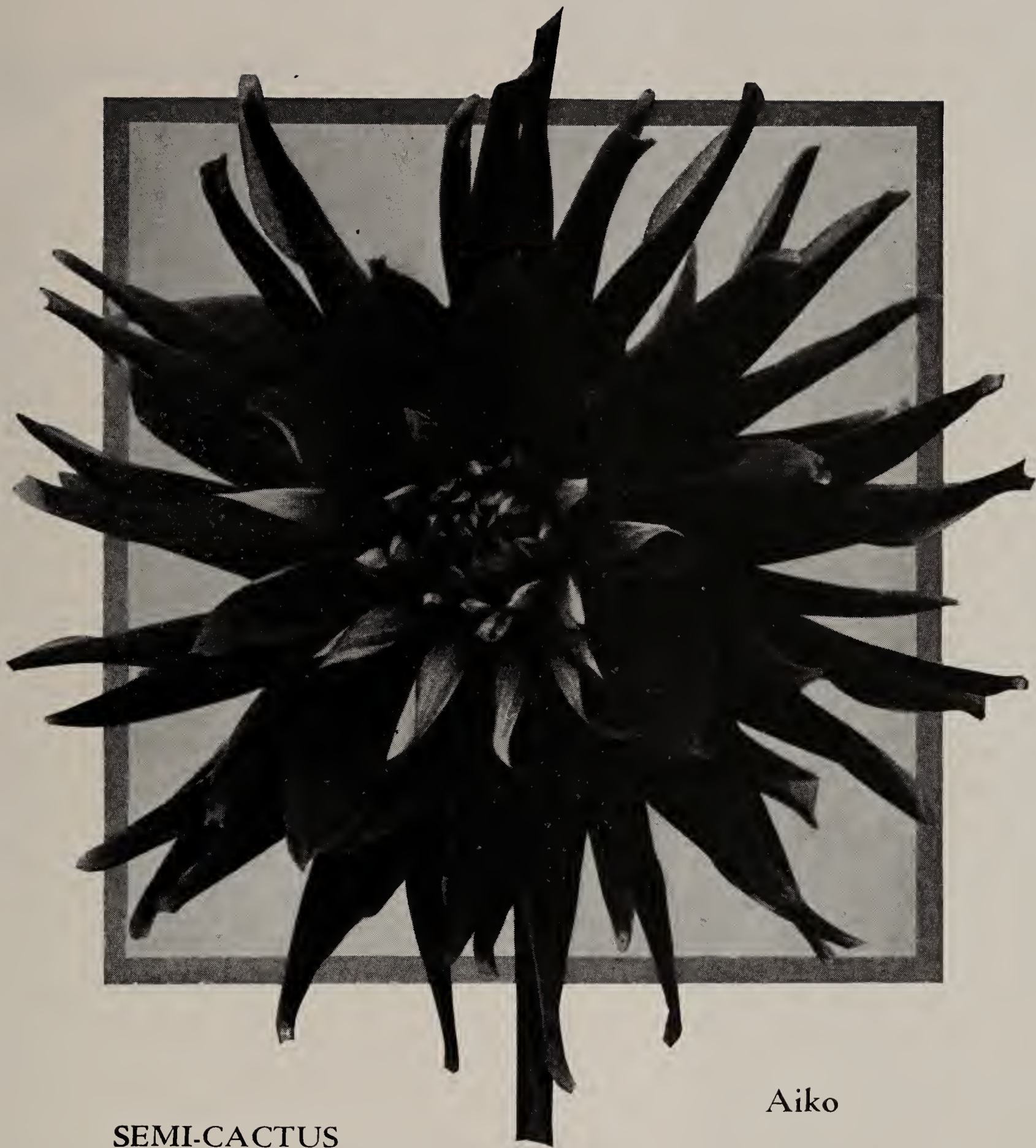
Roots, \$2.50; Plants, \$1.25

DAHLIA SOCIETY OF NEW JERSEY

Our State Society co-operated with the Bergen County Gardeners' Society in North Jersey and The Camden Dahlia Society in South Jersey in two very creditable Fall Shows.

The most important change made by this Society has been to adopt the American Dahlia Society Bulletin for its official publication and each member will receive the A. D. S. Bulletin starting with February. This will not only give our members national news but place New Jersey before the rest of the country.

Miss Virginia Stout, our Membership Chairman, of Short Hills, N. J., will be glad to give you any further information. Send dues of \$2.00 to the Treasurer, Mrs. F. S. Fisher, 121 Abernethy Drive, Trenton, New Jersey.



SEMI-CACTUS

Aiko

AIKO (Dahliadel 85), **g e**, **Bloom** 10 x 4½, **Bush** 4½ ft. This dahlia has been given the Japanese name "Aiko" (pronounced I'ko), as its color and form suggest the Orient. One of the most spectacular dahlias we have ever introduced. It is large and striking in color. Cardinal or deep carmine, with a silver reverse showing at the center and tips, making it unusual. Bushes are strong, open growers. Reacts wonderfully well in heavy soil. This dahlia occasionally throws a flower off-form, which is easily forgotten in comparison to the number of perfect blooms, and we believe it will give you the satisfaction it has given us. As additional reports of the good behavior of this dahlia come in to us from all over the country, we find it is a much greater dahlia than we realized when it was introduced.

Roots, \$2.00; Plants, \$1.00

GOOD WILL (Nuneviller 84), **g e**, **Bloom** 10 x 5, **Bush** 4½ ft. Large attractive blooms of violet rose with bright rose shadings. The center is shaded sulphury yellow. A tall open growing variety with

strong, slender stems. This dahlia was not shown much as stock is still scarce, but it should become very popular in the garden and on the exhibition table for its size and dainty coloring.

Roots, \$5.00; Plants, \$2.50

MARIAN BROOMALL (Broomall 84), **g e**, **Bloom** 10 x 4½, **Bush** 5½ ft. A truly beautiful dahlia. Color, clear violet rose, shading lighter at tips, with white center. Bush growth and stems very good. A dahlia you will like. Good exhibition variety.

Plants, .50

RUDY VALLEE (Broomall-Success 85), **g e**, **Bloom** 11 x 6, **Bush** 5 ft. One of the finest Semi-Cactus dahlias of recent introduction. It has size, beauty, keeping qualities and is very attractive. Flowers are full-centered and are held well above the clean-cut foliage, on long, straight stems. Growth vigorous. A dahlia that you should have. A. D. S. Cert. Color, reddish apricot, gold center.

Roots, \$2.00; Plants, \$1.00



Karl Bonawitz

Potash Fed DAHLIAS



DAHLIADEL NURSERIES

Three of the above trade-marks have been registered in the U. S. Patent Office.

DAHLIADEL NURSERIES



SEMI-CACTUS DAHLIAS

ALICE WHITTIER (Success 80), **g e**, Bloom 10 x 5, Bush 6 ft. Color, primrose yellow. This dahlia is still good on the exhibition table. A good grower on reasonably good stems. **.50**

AMELIA EARHART (Cordes-Eastman), 1933, **g e**, Bloom 12 x 6, Bush 4 ft. Although this variety has been temperamental for some, we have procured stock from which to grow plants which we believe should be satisfactory. Color is apricot buff with salmon tints shading to soft yellow at base of petals. One might picture it as an improved Edna Ferber of larger size, better stems, and with more gold and less rose shadings. **Plants, \$3.75**

EDNA FERBER (F. & M. 85), **c g e**, Bloom 9 x 4, Bush 5 ft. The size and beauty of this flower still attracts much attention. The petals are curled and twisted, forming an extremely full flower. Color, glistening coral, shading to old gold at base of petals. A good strong grower, with dark green foliage. **Roots, .75; Plants, .50**

JEAN TRIMBEE (Trimbee 85), **g e**, Bloom 10 x 5, Bush 5 ft. Massive yet artistic with long, revolute petals that curl and twist. The color is a beautiful petunia violet making it popular as an exhibition dahlia. A tall, vigorous grower with long, erect stems. **Roots, \$1.50; Plants, .75**

KARL BONAWITZ (Dahliadel 86), **g e**, Bloom 8 x 5, Bush 5½ ft. The ability of this dahlia to withstand varied climatic conditions throughout the country has won it many friends and, in nearly all cases, it has gone far beyond expectations. The brilliant, velvety carmine flowers are artistic and graceful in form. Although dark in color for a commercial cut flower, it is a wonderful keeper and arranges well with lighter dahlias. It comes the nearest to developing a perfect bush without topping or disbudding of any dahlia we know, as it just naturally branches and produces perfect and uniform blooms on long, erect stems. It responds, however, to disbudding (as shown in Drawings X or Z) and will give you stems up to 4 feet in length. **Roots, \$1.50; Plants, .75**

MARIPOSA (Boston 83), **c g e**, Bloom 8 x 4, Bush 6 ft. This popular flower is of great depth and good form, with incurved petals. A beautiful pink, shading darker at the center with a violet suffusion, which adds to the effect. A sturdy grower and great favorite. **Roots, .50; Plants, .50**

MARYLAND ORANGE (Maryland D. G. 83), **c g e**, Bloom 8 x 4, Bush 5 ft. A bright orange with orange cadmium shadings that will attract much attention. Good commercial color and type. It is especially adaptable for baskets. A good keeper, and blooms freely. **Roots, \$1.00; Plants, .50**

MINNIE EASTMAN (Eastman 83), **c g e**, Bloom 8 x 4, Bush 6 ft. Bright flame color with undershading of deep yellow. Stems long and erect. Bushes are tall with natural branching habits. Foliage smooth and glossy. A profuse bloomer. **Roots, .50; Plants, .50**

ORIENTAL BEAUTY (Barker 84), **c g e**, Bloom 7 x 4, Bush 6 ft. This variety has won considerably in the East. The color is clear, bright violet rose. Petals gracefully curl and twist, making a very artistic and useful flower. Quantities of deep blooms are produced on strong, rugged bushes. **Roots, .75; Plants, .50**

SATAN (Ballay-Success 85), **g e**, Bloom 10 x 4, Bush 6 ft. Color, scarlet with yellow on reverse of petals showing at the center as petals unfold. Stems are very long and may need some support in wet weather. Very showy in the garden. Bushes tall and rugged. Flowers are uniformly large and of regular formation, keeping well when cut. Scored 87 at Storrs. **Roots, \$4.00; Plants, \$2.00**



SEMI-CACTUS OR INFORMAL DECORATIVE DAHLIAS

COLOR SERGEANT (Hall 84), **g e**, Bloom 10 x 4, Bush 5½ ft. This striking variety is very useful as a cut flower, for landscape effect, and on the exhibition table. Color is unusual, being a rich, deep salmon bronze of one shade. A strong, upright grower with perfect stems. **Roots, .50; Plants, .50**

DIXIE RAVENSCROFT (Seal 85), 1933, **g e**, Bloom 10 x 5, Bush 3½ ft. The face of this attractive dahlia shows a bright, russet orange while the reverse is lemon yellow. The blooms are large and deep on fairly strong, graceful stems. Its distinctive color makes it very showy in the garden. The bushes are rather low but robust and quick growing. **Roots, \$3.00; Plants, \$1.50**

EMMA MARIE (Dahliadel 83), **c g e**, Bloom 7½ x 3, Bush 6 ft. A favorite because of its pleasing shade of clear pink with a creamy white center and its commercial qualities. It is a robust grower, producing deep, full-centered blooms on three foot stems in ordinary field culture by disbudding. **.35**

GOV. MORGAN F. LARSON (Hall 81), **g e**, Bloom 9 x 4, Bush 6 ft. A very pleasing and attractive dahlia; not over robust. Can be grown satisfactorily by those giving their dahlias good culture. Color, clear golden yellow with slight apricot blush on reverse. **.50**

JERSEY'S SWEETHEART (Waite 82), **c g**, Bloom 7 x 3½, Bush 3½ ft. A dainty, attractive variety for cutting. Delice pink, shading to white in the center. Flowers produced in great quantities on slender, stiff stems. **.35**

JIM MOORE (Loller 84), **c g e**, Bloom 10 x 4, Bush 5½ ft. A dahlia worthy of space in anyone's garden. It is distinctive in form and color. The petals are long and regular, rolling back at tips, while the color is a primrose yellow shaded gold and suffused salmon. A good healthy grower. **Roots, .75; Plants, .50**

JOSEPHINE G. (Grosscross 85), **c g e**, Bloom 8 x 4, Bush 4½ ft. One of the most charming of the recent introductions. Color is a very pleasing true rose pink of a bright shade, some petals tipped yellow. It makes a wonderful, sturdy bush, with flowers held well above the dense foliage. It is a prolific bloomer, and yet the flowers are of exhibition quality at the same time. It is a Semi-Cactus early and Informal Decorative at the end of the season. A. D. S. Cert. **Roots, .75; Plants, .50**

LADY MOYRA PONSONBY (Elder-Lee 85), 1933, **g e**, Bloom 10 x 6, Bush 5 ft. Although we have a number of good yellow dahlias this variety is of a pleasing shade of clear, light lemon yellow and a very desirable, even form. The petals, broad at the base and decidedly pointed at tips, make it lean toward the Semi-Cactus in general appearance. Centers are full, stems erect, and a good grower. **Plants, \$2.00**

MABEL S. DOUGLASS (Thompson 83), **g e**, Bloom 10 x 4, Bush 5½ ft. This dahlia is of artistic formation with long, curled, pointed petals. In color it is a beautiful pastel lavender. We believe



Josephine G.

this dahlia will do well in heavy soil. It needs staking and can be disbudded according to Drawing X or Z. **Roots, \$1.00; Plants, .50**

PALO ALTO (Ballay-Success 85), 1933, **g e**, Bloom 10 x 6, Bush 6 ft. Clear, soft apricot buff suffused coral red. Stems tall and straight. Flowers are of good substance with uniform, full centers. It won the Achievement Medal in Detroit as the finest bloom in the show with Robert Emmet second, and they were so close it was almost a toss-up. Certified at Storrs. A variety we can highly recommend. **Roots, \$5.00; Plants, \$2.50**

ROBERT E. LEE (Peacock 84), **g e**, Bloom 8½ x 4, Bush 5 ft. A rich red that does not fade is decidedly uncommon, and that is what attracts you to this dahlia, along with its good form, erect stems, and free-blooming habits. To get stems for cutting, follow Drawing Y. **Roots, .75; Plants, .50**

SISKIYOU (Broomall 80), **g e**, Bloom 10 x 3, Bush 3½ ft. Here we have the dahlia that has won in the largest bloom class repeatedly, but on diameter, not considering depth. Flowers held erect on long, strong stems. Color, pink tinted mauve. Petals rather blunt and flat. **Roots, .75; Plants, .50**

STAR OF BETHLEHEM (Nolet), **c g e**, Bloom 8 x 4, Bush 4 ft. Inclined to the Semi-Cactus type with a high, full center. Pure white with numerous pointed petals. The dense, dark green foliage makes a beautiful plant and sets off the lovely, white blossoms, enhancing their waxy appearance. **Plants, .75**

ZION'S PRIDE (Gresh 85), 1934, **g e**, Bloom 10 x 5, Bush 5½ ft. Another good yellow which is out of the ordinary in form as the petals are quite broad and heavy. It qualifies well in size, stem, foliage, and substance. Won the A. D. S. Gold Medal and American Home Achievement Medal at the World's Fair Dahlia Show, 1933, and should become a great favorite. **Roots, \$10.00; Plants, \$5.00**

SEMI-CACTUS OR INFORMAL DECORATIVE DAHLIAS

EARLY YELLOW, Bloom $4\frac{1}{2} \times 2$, Bush $4\frac{1}{2}$ ft. A good cutting variety of bright lemon yellow of artistic formation, lending itself wonderfully for table and small decorations or as a filler with larger flowers. Very prolific, with good, long, slender but stiff stems. .35

GRACE CURLING (Stredwick 83), c g e, Bloom 7×3 , Bush $4\frac{1}{2}$ ft. A charming flower of bright lilac with a trace of white at the base of petals, which are cleft, adding interest to the form. It is suitable for exhibiting, especially in basket arrangements, and is attractive in the garden. Roots, .75; Plants, .50

LINCOLN G. DICKEY (Dahliadel 85), g e, Bloom $9\frac{1}{2} \times 5$, Bush $3\frac{1}{2}$ ft. Color, primrose yellow with a decided rose suffusion. Disbud and the blooms will be large and of good form; grown naturally, they will be of nice size in quantity. One of the earliest to bloom and among the last to finish. The growing habits are ideal, making this dahlia very satisfactory. Named for the Manager of the Atlantic City Auditorium at their first show. .75

NEW GLORY (Trostle 82), g e, Bloom 7×3 , Bush 5 ft. A striking combination of purple garnet tipped white and a popular winner in the bi-color class. Bushes are strong and healthy and stems erect. .50

INFORMAL DECORATIVE DAHLIAS

ALICE IN WONDERLAND (Dahliadel 86), 1934, g e, Bloom 9×6 , Bush 5 ft. First of all, this dahlia is a beautiful shade of soft salmon, petals delicately edged bright rose. The picture can give you only an idea of the distinct new form with the full high center and long, pointed petals that curve backward to the stem adding to its depth. Good habits of growth, but is at its best in cool weather. We believe this dahlia is destined to become as popular as its name. Roots, \$3.00; Plants, \$1.50

ANDREA ERICSON (F. & M. 85), g e, Bloom 9×4 , Bush $4\frac{1}{2}$ ft. The easiest way to describe this dahlia is to call it a white Fort Monmouth. It is somewhat heavier in petal formation, but very pleasing in form. Held on excellent stems, and should be very successful in the white class on the show table. In hot weather this dahlia needs shading to be grown to exhibition perfection. Roots, \$1.50; Plants, .75

FORT MONMOUTH (Kemp 87), g e, Bloom 11×4 , Bush $6\frac{1}{2}$ ft. The predominating color is rich claret with brightness unusual in darker tones. Flowers are full-centered and well formed, borne on long, stiff stems high above the foliage. A very prolific grower and bloomer. Still a winner on the show table. Roots, .75; Plants, .50

WHITE WONDER (Black-Kemp 85), 1933, g e, Bloom 10×6 , Bush $5\frac{1}{2}$ ft. The giant blooms are pure white with long, pointed, twisted, and curled petals, giving the flower a light, fluffy appearance. This dahlia comes to us as a cross of Fort Monmouth and Ida Perkins. The bush is a strong, vigorous grower, branching from the ground. Stems long and stiff. Foliage thick and leathery. It is a very good root-maker and well worth your trial. Roots, \$5.00; Plants, \$2.50

Lincoln G. Dickey

Fort Monmouth

Alice in Wonderland



INFORMAL DECORATIVE DAHLIAS

ALTAMONT (Kemp 79), g e, Bloom 10 x 4, Bush 7 ft. Large full flowers with long, slightly curved petals of artistic formation. Stems are long and slender but rigid. Color, Tyrian rose with lighter shadings. .35

BAGDAD (Redfern 84), g e, Bloom 10 x 4, Bush 6 ft. This dahlia proved very satisfactory for us. It is a beautiful, brilliant scarlet flame of wonderful size. Good bush growth and a good bloomer. The long stems hold blooms high above the bush. A prize winner. Roots, .75; Plants, .50

EAGLE ROCK FANTASY (Broomall-Success 85), g e, Bloom 11 x 5, Bush 6 ft. Huge blooms are imposing and beautiful in form and color. Broad florets tapering and notched at tips. Clear mallow pink or violet rose with silver shadings. Stems long and erect. Foliage is medium dark green and seems to be immune to insect attack. This dahlia is most outstanding. Roots, \$2.00; Plants, \$1.00

LA FIESTA (Cordes-Eastman 85), 1933, g e, Bloom 12 x 5, Bush 5 ft. Deep sulphur yellow penciled coral red. There are interesting color variations in this dahlia. Out of the ordinary. At times the red blends with the yellow, giving almost a salmon pink effect. The lacy petals curl and twist, giving the flower the appearance of a chrysanthemum. Huge blooms are held well above the foliage on good stems. A prize winner. Roots, \$3.00; Plants, \$1.50

MARMION (Tyler 82), g e, Bloom 10 x 4, Bush 6 ft. Pure primrose yellow with a bronze center. Reverse of petals suffused bronze. A sturdy, strong-growing plant with blooms held well above the foliage. A dahlia still popular. .50

RUBY TAIT (Fraser 84), 1933, g e, Bloom 10 x 4, Bush 4 ft. A delicately shaded flower of unique formation with numerous petals and petaloids. A striking relief from the uniformity of the formal decoratives. Light sulphur yellow with soft violet rose suffusion and shadings on reverse. One of the first in bloom and if pruned and disbudded will be a mass of bloom until frost. Roots, \$2.50; Plants, \$1.25

WHITE DUCHESS (English 85), c g e, Bloom 11 x 5, Bush 5 ft. A bold white flower of large size, with a full, high center, facing upward, or partially so. Petals are broad and waved, giving the flower a very graceful appearance. Stems are strong and erect. A good grower. We have found this a very satisfactory white exhibition dahlia with wonderful keeping qualities. Roots, \$2.00; Plants, \$1.00

DAHLIADEL NEWS

Visitors are always welcome at Dahliadel. From many distant states Dahliadel friends stop in on their way to the shore, New York, or Philadelphia. During September and up until frost, (late October), they enjoy seeing over forty acres in full bloom; and if, perchance, they come before the fields are in bloom, a trip through the cellars and greenhouses is instructive and interesting. If you plan to come to this section next fall, let us send you directions showing auto routes to Dahliadel.

Our Field Days last season were an even greater success than before and we certainly appreciate the opportunity these give us to meet our friends. Many travel long distances for this annual outing and we are surely glad to know they find the trip so worthwhile that they return each year. We value this friendliness of our customers and their encouraging letters. We are looking forward to Field Days again this next fall with even greater interest and enthusiasm. If you cannot visit us here, we shall be glad to meet you at any of the Fall Flower Shows where we exhibit or judge.



Eagle Rock Fantasy

Lilac Glory (Cact)



Warren W. Maytrott



INFORMAL DECORATIVE DAHLIAS



Lord of Autumn



Myra Howard

ACHIEVEMENT (Ballay-Success 85), g e, Bloom 10 x 5, Bush 6 ft. This dahlia is a robust grower, profuse bloomer, with artistic blooms on strong stems, and has good keeping qualities. Golden yellow suffused coral, giving a general tone of apricot a little brighter and deeper than Jane Cowl.

Roots, \$1.50; Plants, .75

AMERICAN LEGION (Nuneviller), g e, Bloom 10 x 6, Bush 5½ ft. To our surprise after selecting for the past three years, we found stock of this variety doing so well in our fields that we are offering plants for those who have admired this dahlia in the past as we have and have been unable to grow it. Color, clear yellow and a flower that reminds you of Aztec Glory but on longer stems. **Plants, \$1.50**

AZTEC GLORY (Broomall 84), g e, Bloom 10 x 5, Bush 3½ ft. Yellows come and yellows go, but this is still a good yellow exhibition dahlia. It is a clear picric yellow with deep, massive flowers of most artistic formation, held on strong, erect stems. Foliage is glossy green, having somewhat the appearance of holly. **Roots, .75; Plants, .50**

GOOD NIGHT (Broomall 85), g e, Bloom 10 x 5, Bush 5 ft. One of the prettiest dark dahlias we have had the pleasure of growing. Good throughout the season. Color, garnet shaded maroon. Its faults are hard to find, which is saying a great deal, as it has size, form and stem as well as being an early and profuse bloomer. **Roots, \$1.00; Plants, .50**

H. R. S. (Seal 85), 1934, g e, Bloom 11 x 6, Bush 6 ft. A beautiful, golden yellow of large size and distinction in form with numerous long, wavy petals and centers that are always full. By pinching out once, it develops into a well proportioned bush that gives you a quantity of flowers on long, slender, yet strong, stems. In all, a very pleasing dahlia.

Plants, \$2.50

LONG HILL (Lotze 83), g e, Bloom 9 x 5, Bush 5 ft. A seedling of Jane Cowl. Orange cadmium shaded coral and suffused soft carmine. The plant is a good grower and a prolific bloomer. Blooms are of good substance for cutting and exhibition. Certified at Storrs 1932 where it was outstanding.

Roots, \$3.00; Plants, \$1.50

LORD OF AUTUMN (Almy 88), 1934, g e, Bloom 12 x 6, Bush 5½ ft. The most talked of '34 introduction. We believe it will make friends the way Jane Cowl has and in the next couple of years will dominate the yellow class in the showroom. It is a wonderful grower with clean, glossy foliage, stems strong and erect. Flowers attain a wonderful size and depth, and the long, pointed and twisting petals with beautiful center formation remind one of a large exhibition chrysanthemum. We highly recommend this variety as it was the best of the 1934 exhibition introductions. **Plants, \$5.00**

MYRA HOWARD (Glutzbeck-Dahliadel 86), g e, Bloom 10 x 7, Bush 5½ ft. A dahlia we are proud to have introduced as it is one of the best of the '32 introductions. The color is a glowing combination of yellow cadmium and gold with tints of salmon, the entire effect being ochreous orange. Throughout the deep flower are petaloids, which give it distinction in both form and color. A wonderful plant and a thrifty grower, producing giant blooms freely on long, strong stems. Won American Home Achievement Medal 1931, and in 1932 was certified at Storrs, Conn. Reports from customers indicate this dahlia behaves wonderfully well in the various climates. Georgia growers have been particularly enthusiastic. **Roots, \$2.50; Plants, \$1.25**



INFORMAL DECORATIVE DAHLIAS

FULL MOON (Ballay-Success 83), g e, Bloom 9 x 5, Bush 4½ ft. This '32 introduction has taken its place with the best of the yellows, although temperamental at times. Its large blooms are regularly formed with broad petals curling back to the stem when fully open. Stems are unusually strong with the flower always upright. Color, clear, bright canary yellow. A consistent prize winner.
Roots, \$3.00; Plants, \$1.50

IROQUOIS SUNBEAM (Toth 84), 1934, g e, Bloom 9 x 4, Bush 5 ft. An upright, sturdy grower and prolific bloomer. Orange buff suffused coral. A garden dahlia that will grow to exhibition size.
Plants, \$3.75

KENTUCKY RED (White 85), g e, Bloom 10 x 4, Bush 5 ft. One of the brightest reds of the recent introductions. Color is flaming scarlet, and it will stand considerable sunshine without fading. Flowers are uniform and bush growth healthy with attractive foliage.
Roots, \$1.50; Plants, .75

KING MIDAS (Peacock 83), g e, Bloom 10 x 4, Bush 4 ft. Still a very popular yellow dahlia. The plant growth is sturdy, stems are long and erect. For disbudding it responds best to Drawing X and comes into bloom about six weeks after second pinching out. Centers are high and full throughout season.
Roots, .75; Plants, .50

MARYLAND GLORY (Maryland D. G. 85), c g e, Bloom 9 x 5, Bush 4 ft. A most satisfactory bloomer from early to late. Perfect blooms of Tyrian rose shaded crimson carmine are borne in profusion on good stems. A fine strong grower.
Roots, \$2.00; Plants, \$1.00

NORTH'S YELLOW (Peacock-Dahlia 85), c g e, Bloom 9 x 4, Bush 6 ft. We do not have many varieties that seem to enjoy August heat, but this one does, and will produce perfect blooms for us when lots of varieties will not. This dahlia does well in the North and South, as it is such an early bloomer and rapid grower. Color, a clear sulphur yellow without any shadings.
Roots, \$1.00; Plants, .50

POT O'GOLD (Chappaqua 85), 1933, c g e, Bloom 9 x 5, Bush 4½ ft. A large, brilliant flower of clear yellow with numerous long, wavy petals which not only make it artistic and beautiful in form but give it great depth. One of the best of the clear yellows which is very free blooming and most satisfactory for us. Certified at Storrs.
Roots, \$3.00; Plants, \$1.50

STRONGHEART (Ballay-Success 85), 1933, g e, Bloom 10 x 4, Bush 6 ft. An artistically formed dahlia of good size and perfect stems. Color is a beautiful light cadmium shaded apricot. Certified at Storrs. Foliage is insect resistant. A very handsome and useful flower.
Roots, \$2.50; Plants, \$1.25

THE COMMODORE (Scott-Kemp 83), 1932, g e, Bloom 10 x 4, Bush 5 ft. A nice clean-growing, bright lemon yellow. Won American Home Achievement Medal and A. D. S. Certificate. Petals large, centers full with flowers of loose and open formation. Bush is compact. Stems are of good length when disbudded.
Roots, \$1.50; Plants, .75

WALDHEIM SUNSHINE (Peacock 85), c g e, Bloom 10 x 4½, Bush 5½ ft. This giant yet graceful dahlia is very popular. A true deep yellow that will show up yellow under artificial light. The reflex is darker, and there is a rich golden suffusion around the beautiful full, high center. The bush growth is good, stems are strong and erect. It is a sturdy grower and free bloomer.
Roots, \$1.00; Plants, .50



Waldheim Sunshine



Full Moon

WHITE EMPRESS (Jost 82), c g, Bloom 8 x 5, Bush 5½ ft. This dahlia is a strong, healthy grower with leathery foliage. Stems are strong and erect. Color, almost a pure white. Not an over abundant root maker, either from roots or plants.
.50

WORLD'S BEST WHITE (Murphy 84), c g e, Bloom 9 x 3½, Bush 5½ ft. This dahlia is still a popular white and good for exhibition or the garden. The immense creamy white blooms are borne profusely on stiff stems.
Roots, .75; Plants, .50

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION



Ray Warner

INFORMAL DECORATIVE DAHLIAS

ALICE STELLICK (Rindfleisch 82), **g e**, Bloom 7 x 5, Bush 6 ft. A bright crimson carmine with a distinct white stripe in the center of each petal, with occasional blooms self colored. The petals curl and twist. Overfeeding or hot weather will produce weak stems at times on this variety.

Roots, \$1.00; Plants, .50

CLANSMAN (Diggle 82), **c g**, Bloom 7 x 3, Bush 4½ ft. Blooms early and profusely on good stems. Color, scarlet orange brightened with a golden sheen.

.25

CONGRESSMAN WOLVERTON (Peacock 83), **c g**, Bloom 7 x 4, Bush 5 ft. This dahlia has a full high center which starts to open yellow and then develops a rose suffusion as the flower opens. A good strong grower, fine for cutting.

Roots, .50; Plants, .50

CREAM OF THE GARDEN (Kemp 82), **c g**, Bloom 8 x 3, Bush 6 ft. A very dainty, sulphury white, faintly suffused lilac. Flowers are of good size, held high above the foliage on long, stiff stems, and are produced in profusion on strong bushes. A late bloomer.

Roots, .50; Plants, .50

DOROTHY DUKE (Duke-Dahliadel 86), 1935, **c g**, Bloom 6 x 3, Bush 5 ft. We find this dahlia very popular in the New York and Philadelphia cut flower markets, especially for funeral work and all other uses where a clear, light violet rose or orchid shade is required. One of the best keepers and easy to pack. Stems are stiff and slender, centers always full, and blooms incessantly. A strong grower producing large bushes. **Roots, \$2.00; Plants, \$1.00**

DAHLIADEL NURSERIES



EAGLE ROCK BEAUTY (Broomall 83), **g e**, Bloom 9 x 3½, Bush 5 ft. This fine dahlia certainly is a pretty combination of soft violet rose with creamy white center. Petals long and gracefully twisted. A pleasing and satisfactory variety. **.50**

FORDHOOK EMPEROR (Burpee 85), **g e**, Bloom 9 x 4, Bush 3½ ft. A glorious blending of rich salmon and rose, making a general effect of apricot. The healthy foliage, good substance of the bloom and the fine growing habits of this striking dahlia will make it a splendid addition to your garden, especially for low landscape effects. **.35**

JANE COWL (Downs 88), **c g e**, Bloom 10 x 6, Bush 5½ ft. This wonderful dahlia has been a success wherever grown. Color, a warm buff and old gold, blending to apricot and rose at the center. Bush growth is ideal with strong stems holding the giant flowers upright. A dahlia that is sure to please you, for it is large and impressive. **A. D. S. Certificate.**

Roots, .50; Plants, .50

LADY LYNDORA (Hall 83), **g e**, Bloom 9 x 4, Bush 3½ ft. This lovely dahlia has held its popularity, especially in the pink class, as it is a pure pastel pink, with formation, size and stem, to carry it through. Bush growth semi-dwarf, with exceptionally free blooming habits. **.75**

RAY WARNER (Peacock 85), **c g e**, Bloom 8 x 5, Bush 4 ft. Can you imagine an informal decorative with long, pointed and twisted petals, on good stems, with low-branching bushes that need very little tying up, in a pink at least two shades brighter than Jersey's Beauty? Centers always full, very early to bloom and a mass of color when not disbudded. Is a favorite. Not a very good root maker, hence the difference in price on roots and plants.

Roots, \$4.00; Plants, \$1.00

SHAHRAZAD (Newson 85), **g e**, Bloom 9 x 4, Bush 6 ft. Flowers are massive with large, pointed, but rather coarse, petals which curl and twist in an attractive manner. Color may be described as soft Tyrian rose, or according to Ridgeway's chart is rose color. Bushes and stems are exceptionally strong. **Roots, \$1.50; Plants, .75**

THE FIREMAN (Success 84), 1934, **g e**, Bloom 9 x 4, Bush 5 ft. Scarlet red with golden flushes and golden tips at center of flower. Certified at Storrs '33 and won the American Home Achievement Medal at Boston. A rather striking variety but a late bloomer. **Plants, \$2.50**



INFORMAL DECORATIVE DAHLIAS

Robert Emmet

CLARA BARTON (Salem D. G. 85), 1934, **g e**, Bloom 10 x 5, Bush 5 ft. An immense bloom which faces slightly upward on long, straight stems. The face of the petals is silvery orchid with the reverse of deep lavender, giving a general effect of lavender. A very prolific bloomer and one we can well recommend. Bush of medium height.

Roots, \$5.00; Plants, \$2.50

ELINOR M. RADELL (Felsing 85), 1933, **c g e**, Bloom 8 x 4, Bush 6 ft. The blooms, of good substance, are violet rose with a darker reverse and golden shadings toward base of petals. Certified at Storrs. It is truly outstanding because of its strong, rugged growth which withstands adverse growing conditions. It qualifies equally well in color, stem, form, and size and is prolific in its flowering habits. Very satisfactory for us.

Roots, \$3.00; Plants, \$1.50

IMPERIAL PINK (Hall 83), **g e**, Bloom 11 x 6, Bush 6 ft. This dahlia is not only massive but graceful and artistic in form. An appealing combination of beautiful rose pink with primrose and silver shadings blending to violet rose at tips. A favorite in the garden.

Plants, .75

JAMES KIRBY (Badetty 85), **c g e**, Bloom 8 x 4½, Bush 5 ft. A bright, rich, cardinal red that won as the best '32 introduction at the A. D. S. Show in New York. Certified at Storrs in 1933. This dahlia has good substance, keeping well as a cut flower.

Roots, \$2.00; Plants, \$1.00

ROBERT EMMET (Moroney-Dahliadel 87), 1933, **c g e**, Bloom 10 x 6, Bush 5 ft. This wonderful exhibition variety is the most beautiful shade of red found in any dahlia, a velvety, cardinal red inclining to crimson, of giant size and great beauty. It is a perfect, open grower with sturdy, dark green, insect-resistant foliage. Certified at Storrs and is a great prize winner. This dahlia produces great quantities of perfect blooms from mid-August until frost, stems stiff and long with flowers facing perfectly. It is a dahlia that will win in both the red and informal classes as well as the best bloom in the show. Robert Emmet well grown and staged in any show will stand against the best dahlias known today.

Roots, \$5.00; Plants, \$2.50

SANHICAN'S BLUEBIRD (F. & M. 80), **g e**, Bloom 7½ x 3½, Bush 4½ ft. A pleasing near to blue decorative with outer petals of bright violet blue, while the center petals retain the violet tint. An attractive flower on wiry stems.

.35



INFORMAL DECORATIVE DAHLIAS

DERRILL W. HART (Broomall 83), **c g e**, **Bloom 9 x 3, Bush 6 ft.** Color, deep orange or copper, shading to henna brown. Has a good stem, keeps well when cut, and is a free bloomer. It is a rapid grower, with heavy, dark foliage, and should be cut back severely during the hot weather.

Roots, .50; Plants, .50

DOROTHY STONE (F. & M. 84), **g e**, **Bloom 9 x 4, Bush 4 ft.** Suitable for the garden and show room, although not as spectacular as Kathleen Norris. It is a darker pink and a deeper flower. A good grower with stems long and erect.

Roots, .75; Plants, .50

KATHLEEN NORRIS (F. & M. 87), **c g e**, **Bloom 10 x 5, Bush 5½ ft.** This outstanding exhibition dahlia is a true rose pink, deepening to mallow pink, with young central petals a lighter shade. Petals are broad and overlap each other. Blooms are held erect on long, strong stems. This dahlia to do its best should not be planted before June 15th, or if planted early should be topped rather severely about the middle of July with conditions as we have them in New Jersey.

Roots, .75; Plants, .50

KEMP'S VIOLET WONDER (Kemp 85), **g e**, **Bloom 10 x 5, Bush 5 ft.** The predominating color of this fine dahlia is bright violet purple with faint bluish violet at tips of petals. Deep flowers of perfect form. Stems are stiff, holding flowers well above the foliage. A truly outstanding variety, keeping well when cut. Plant is a prolific bloomer, strong grower, not susceptible to sucking insects.

Roots, .50; Plants, .50

MAN O'WAR (Boone-Ruschmohr 84), 1934, **g e**, **Blooms 10 x 4, Bush 5½ ft.** This dahlia has made a good record for itself by scoring at Storrs and winning the American Home Achievement Medal in West Virginia in 1932. In form it is similar to the accompanying picture of Dwight W. Morrow, but it is darker in color, being a rich, dark carmine. Good foliage and good flowering habit.

Roots, \$7.50; Plants, \$3.75

MARGARET W. WILSON (F. & M. 83), **g e**, **Bloom 9 x 4, Bush 4½ ft.** An easy variety to grow, producing a profusion of huge blooms. Especially good early in the season. Face of petals creamy white with a phlox pink reverse, giving an opalescent effect.

.35

MRS. ALFRED B. SEAL (Seal 82), **g e**, **Bloom 10 x 4, Bush 6 ft.** A beautiful glowing combination of old rose and violet rose. This dahlia responds to good culture but does best where growing season is long. Disbud according to Drawing Z.

Roots, .75; Plants, .50

MURPHY'S MASTERPIECE (Murphy-Success 86), **g e**, **Bloom 11 x 4, Bush 4 ft.** The monster blooms of deep, dark red shading toward crimson are held erect on stiff stems. It is a stocky grower and in all a good dahlia. Comparing this variety with Dwight W. Morrow, it has better stems, but is not as bright a shade of red, nor does it stand the amount of sunshine Dwight Morrow does without burning.

Plants, \$2.50



Dwight W. Morrow

DWIGHT W. MORROW (Dahliadel 85), **g e**, **Bloom 11 x 5, Bush 5 ft.** A gigantic rich crimson red dahlia that is admired by everyone. Its size, form, and richness of color make it very spectacular. This dahlia likes reasonably heavy soil, but should not be forced or over-watered. From New Jersey and north we have had wonderful reports of its behavior. In the south, however, the heat will cause the stem to droop with the extreme weight of the massive blooms, and it should not be brought into bloom until cooler weather. It is a healthy grower and a popular winner in many shows. Illustration shows natural stem. **Roots, \$1.50; Plants, .75**



INFORMAL DECORATIVE DAHLIAS

CITY OF TRENTON (Prentice-Dahliadel 85), g e, Bloom 10 x 4, Bush 6 ft. Popular and still a winner on the exhibition table. In color, it is bright apricot, suffused gold, showing considerable rose on the reverse. The bush grows strong and robust, producing flowers with perfectly full centers on long, erect stems. A dahlia you will like.

Roots, .50; Plants, .50

ELIZA LONDON SHEPARD (Peacock 84), g e, Bloom 9 x 4, Bush 5 ft. The rich coloring of this dahlia makes it very attractive. Bright golden orange apricot so blended that it makes a one-tone spectacular flower. Blooms of good substance with full centers are borne on long, stiff stems. Strong grower and free bloomer.

Roots, .75; Plants, .50

GIRL OF HILLCREST (Scott-Kemp 85), g e, Bloom 10 x 4, Bush 5 ft. You will derive a great deal of pleasure from growing this excellent variety as it blooms early and continuously. It is suitable for exhibition whether it is the first or last show. Color is apricot buff or cadmium orange. A vigorous grower with stems long and erect.

Roots, \$1.50; Plants, .75

GRANDEE (Ballay-Success 84), 1934, g e, Bloom 12 x 4, Bush 4 ft. This dahlia is exploited on size in the largest bloom class, winning the American Home Achievement Medal at the Dahlia Society of California Show and largest bloom in the San Leandro Festival. It is a striking combination of coppery red and golden yellow.

Plants, \$5.00

HARRIET HOCTOR (Alling 81), g e, Bloom 10 x 4, Bush 5 ft. A very satisfactory dahlia of wonderful size and color. The stems tip a little in the extreme heat with the weight of the flower. Color, bright mauve with magenta shadings, giving a bright purple effect. Bushes strong and healthy.

\$1.00

JANET SOUTHWICK (Chapman 80), g e, Bloom 8 x 4, Bush 5 ft. This distinctive variety of exhibition size has made many friends the past season. It is unusual in color which shades between Tyrian rose and Burgundy red. Plants are clean growing with dark, heavy foliage. Stems are long and erect, carrying flowers well above the foliage.

Roots, \$1.50; Plants, .75

JERSEY'S DAYBREAK (Waite 84), c g e, Bloom 8 x 4, Bush 6 ft. This much admired dahlia is Hermosa pink, shading to creamy yellow in the center. Flowers are of good size with high, pointed centers and hold their splendid form throughout the season. The stems are rigid and the foliage is of a leathery texture. One of the few dahlias that develops in water.

Roots, .75; Plants, .50

JERSEY'S MAJESTIC (Waite 84), g e, Bloom 11 x 5, Bush 5½ ft. As the name implies, this dahlia stands above most varieties on long, erect stems. The foliage is very dark and effective on sturdy bushes. Blooms of immense size are coral shaded carmine and suffused with orange at the center. In general a metallic coloring. Very showy.

Roots, \$3.00; Plants, \$1.50



JERSEY'S SOVEREIGN (Waite 80), g e, Bloom 7½ x 4, Bush 6 ft. A dahlia worthy of anyone's growing. A good grower, early bloomer, of pleasing shade of salmon orange.

.35

PENN CHARTER (Hall 83), g e, Bloom 9 x 4, Bush 3½ ft. A strong grower with heavy leathery foliage. Blooms have great depth and beauty. Rich gold, tinted with reddish apricot. Massive, graceful flowers are held on long stems. A bright spot in your garden or home.

.75

PRINCE OF PERSIA (Newsom 83), g e, Bloom 10 x 6, Bush 6 ft. A very striking bright red exhibition dahlia of the most iridescent, rich, glowing cardinal. The petals are of great depth and substance, making an unusually deep, attractive flower. Bush is vigorous and robust.

Roots, \$1.50; Plants, .75

ROYAL WHITE (Bruidegom 85), c g e, Bloom 8 x 4, Bush 5 ft. A pure white dahlia which withstands the heat of the sun without burning. A strong grower with insect-resistant foliage. Good stems.

Roots, \$1.50; Plants, \$1.00

RUBY TAYLOR (Garrity-Success 85), g e, Bloom 8 x 4, Bush 5 ft. A clear crimson carmine of one tone that holds well in sunshine. A good open growing bush with long, erect stems. Certified at Storrs in 1932 and has won many prizes. Large blooms of good form are uniform in size.

Plants, \$2.50

SANHICAN'S QUEEN (F. & M. 84), g e, Bloom 8 x 4, Bush 4½ ft. Most unusual coloring. A blending of apricot with a faint blush of carmine rose deepening toward the tight centers, which are always full. Attractive blooms are held high above dark green foliage on straight, stiff stems. Good growing habits.

.50

THE LEMONADE (Ward 83), g e, Bloom 9 x 4, Bush 5 ft. Although we have a number of yellows, this dahlia is very popular because of its beauty, size, erect stems, good habit of growth and keeping qualities. Color, clear sulphur yellow.

.50

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION



CULTURAL INSTRUCTIONS

The following directions are based upon years of experience and should be of value in solving some of your cultural problems. These suggestions should be changed to suit local requirements. However, we sincerely believe that the fundamental principles involved will apply throughout the country.

SOIL PREPARATION

The dahlia will grow and produce excellent results in a wide range of soils, other conditions being favorable. It is not so much a matter of soil type as it is conditioning. To grow exhibition blooms to perfection, the nearer soil can be to ideal the better your results will be. Soil should contain enough clay to keep the fertility from leaching and also enough sand or stones to facilitate drainage. Fifty to sixty-five per cent sand is considered ideal.

The use of peat moss broadcast and mixed well into the top-soil without the use of coarser material in the sub-soil is an advantage on heavy soil to open it up and on light soil it will conserve moisture and hold fertility.

As soon as the soil can be worked in the spring, it may be further improved by a cover crop of oats and field peas. Or, better still, where winters are severe, sow rye in September or October. The green crop will do no harm during the late blooming season, will winter over, and should be turned under about two weeks before planting. In New Jersey and farther south, rye can be sowed after digging roots. A cover crop will add organic matter, supply humus and further adjust soil conditions. If soil is poor, a top dressing of stable or chicken manure, after digging roots, in the fall or early winter will improve growth the following year. Chicken manure, however, should be used very sparingly.

A good time to work the soil, when no cover crop is planted, is about a month before planting, digging rather deep and thoroughly breaking up all lumps. Then rake the ground over about once a week to retain moisture.

DRAINAGE. The primary factor in growing dahlias is that of drainage, which in sandy soils is well taken care of, but in heavy soils a quantity of coarse coal ashes should be dug in and thoroughly mixed with the subsoil. Then coarse manure, straw, litter or peat moss should be mixed into the top-soil. The addition of a good quantity of coarse sand will help drainage and aeration wonderfully in compact or clayey soil.

For soggy soil we might suggest ditching 18 or more inches deep where the row is to be planted, running the ditch with the slope if possible. Fill in with coarse ashes, clinkers or any coarse material that will not rot, keeping it below spading depth, then fill in top with a mixture of soil and peat moss, probably 10 to 15 per cent peat moss, and to each bale of peat moss add 2 pounds of powdered chalk (calcium carbonate CaCO_2). This will counteract any acidity generated by the peat moss.

See "Irrigation" for Tile Drainage System.

LIMING. As a rule, the dahlia likes a reasonably acid soil, but will do equally well without the presence of much acid. Lime not only neutralizes acid, but makes the natural humus in the soil available as well as loosening heavy soil. With this in mind, liming at the rate of 1 pound to 20 to 30 square feet is a safe practise on heavy soil every 3 or 4 years.

FERTILIZER

Of the ten elements considered absolutely necessary to plant growth, we find nitrogen, phosphorus and potassium the prime essentials and the ones most lacking.

Nitrogen stimulates the growth above ground, producing large bushes and flowers, but if used to excess the flowers will be soft, wilting readily, and the bushes will be overgrown and lower the vitality of the roots. Nitrogen is found naturally in humus (decomposed vegetable matter or manure). It can best be supplied in animal matter, such as bone meal, tankage or manure.

Phosphoric acid increases the root development, especially the lateral and fibrous roots, strengthens the plant growth and gives substance to the bush and flowers. It also aids in ripening the roots. This element is found in bone meal, tankage and acid phosphate, with a small amount available in manures.

Potash is the balancing agent for nitrogen and phosphoric acid. It gives color to the flowers and foliage, and vigor and tone to the plant in general. It is an essential in starch formation and aids in the maturing of well-nourished roots. This is found in wood ashes, muriate or sulphate of potash.

Fertilizer to be applied before planting. Scatter broadcast after spading and mix thoroughly into the top-soil to every 100 square feet of ground or to each 10 dahlia hills.

5 lbs. Raw bone meal.

10 lbs. Unleached wood ashes, or

1 lb. Muriate or sulphate of potash, not both.

An additional 5 lbs. bone meal may be spaded in before the above application if ground is very poor.

Fertilizer or top dressing to be applied about August 15. Scatter broadcast over ground, not closer than 6 inches nor more than 18 inches from the stalk and rake in, to every 10 hills.

1½ lbs. Raw bone flour.

1½ lbs. Animal tankage, or

4 lbs. Sheep manure, not both.

5 lbs. Unleached wood ashes, or

½ lb. Muriate or sulphate of potash, not both.

Manuring is not necessary, even in light soil, if the above formula is used, but an application of horse or cow manure or compost in the Fall is very good for soils lacking humus. This can be used as a top dressing for a cover crop, or dug in by shallow spading in the Fall to help decomposition, and then spaded in deep about two weeks before planting.

Don't use nitrate of soda as a fertilizer. Don't try to grow exhibition blooms by forcing the life out of your stock with sheep or any other manure and expect your stock to do well for you the following year without balancing your plant food with phosphoric acid and potash. Exhibition blooms and good roots can be grown at the same time from green plants as well as from roots by following our cultural instructions.

PLANTING

WHERE TO PLANT. In selecting a location for dahlias, it is essential to have a free circulation of air for healthy plant growth and to prevent mildew. Dahlias need direct sunlight at least 3 or 4 hours, preferably 7 hours, each day and should not be planted near large trees or dense shrubbery which would shade the plants and use moisture and plant-food.



WHEN TO PLANT. Should you desire a mass of color for landscape effect or a number of smaller blooms to cut, early planting is recommended. For exhibition blooms later planting is advisable, unless you intend to cut back, prune and disbud systematically.

Dahlias should be planted in Southern New England, Southern New York State, Pennsylvania and North Jersey between May 15th and June 15th, while in South Jersey, Delaware, Maryland, Virginia and interior States of the same latitude the planting period extends from May 1st to July 1st; North Carolina from April 15th on, South Carolina and Georgia from April 1st on, advancing through Florida to January in the citrus fruit belt. Farther north, where hot Summers are less harmful and early frosts are prevalent, planting may commence as soon as danger of frost is over. In the northern parts of the United States and Canada we recommend starting dahlia roots or plants in a cold frame in pots or in squares of inverted sod, so they can be planted in your garden without disturbing the feed roots. Should the top growth be over 6 inches at time of planting out it would be well to top out, leaving preferably two nodes above the ground, see P on Drawing X. When green plants are grown in 2 to 2½-inch pots, as soon as a good root growth is developed they should be repotted in 3 to 4-inch pots and pinched out at time of re-potting.

HOW TO PLANT. When planting large flowering dahlias, the rows should be from 4 to 5 feet apart, or from 6 to 10 square feet should be allowed for each plant. A novel way to plant is to place your stakes 4 x 5 feet apart, and plant a root or plant on each side of the stake so that stalk will be about 2 inches from the stake. This will allow better air circulation and more room for cultivation. Varieties will not mix by growing them together and should one plant fail, there will be no blank spaces.

Do not plant roots or plants in or over hot manure or any quantity of compost. Although practiced by some, we do not recommend the use of any potato, dahlia fertilizer or bone meal in the hole directly under the dahlia root or plant, as there is too much danger of injuring the tender feed roots, but rather suggest a broadcast application, as recommended above after spading. The stunt in dahlia plants can often be traced to the burning of the feed roots caused by excessive chemical feeding.

ROOTS should be planted in trenches or holes, 4 inches deep in heavy soil and 6 inches deep in sandy soil, laid flat down (not on end) and covered with earth not over 2 inches in depth, filling in as the plant develops. Where drainage is poor, do not plant so deep and keep a furrow open between rows to facilitate drainage in wet weather.

GREEN PLANTS. After removing moss and paper pots from plants that have been shipped, soak ball of dirt in water a few minutes, then plant them with the top of the ball of dirt about 3 inches below the ground level and cover the ball of dirt about 1 inch. In locations where there is danger of flooding, or poor drainage, do not plant this deep. Water thoroughly once if ground is dry and then protect with open basket or open crate for a few days as a partial protection from the sun and wind, covering only when protection is needed. Then start cultivating. Fill in gradually as the plant develops. For cut worms, scatter poison bait the evening of planting. See "Cutworms."

Where dahlia plants are to be set in heavy soil it is advisable to at least prepare the hill by mixing sand or the coarser part of coal ashes into the ground where the plants are to be set. The dirt can also be washed off the roots and the roots straightened out, which will, however, check the growth of the plant about a week. Plants will make better clumps in heavy soil if this recommendation is followed, but it is not at all necessary in light soil.

Cut all plants back to two or three pairs of leaves above the ground, or at least pinch out the top to cause the plant to branch, unless plants have been shipped a distance and lower leaves are somewhat yellowed. It is then best to set the plants without cutting back to get feed roots started. After the plant has started to grow you can cut back with safety.

Where dahlia plants are grown with only a reasonable amount of fertilizer and water they are apt to make more roots than when grown in the midst of plenty. To produce roots on plants use a balanced plant food, as recommended under **Fertilizer**, but not to excess, and water only when necessary to produce a good, healthy, but not soft growth. When setting plants the last of June for September blooms, we recommend disbudding, according to Drawings X, Y and Z. When planting a month earlier it will be necessary to cut bushes back severely about six weeks before you want blooms, leaving about one-half the growth and not more than six laterals for the first blooms. Then disbud these, as shown on Drawings X or Y, as soon as branches develop sufficiently. This cutting back will give the plant an oversupply of feed roots, which will start root production at once. On digging in the Fall you will find mature roots, where on plants not cut back you will find more fibrous or feed roots.

In growing Dahliadel green plants, only the strongest cuttings are potted, and again the best plants are selected for filling orders. This assures you of the best stock procurable.

PINCHING OUT and DISBUDDING

PINCHING OUT is indicated on Drawings X and Y at P and P2, first and second pinching out, respectively. We recommend this system for most varieties. The smaller a plant is when pinched out, the quicker it will heal and branches develop.

Allow only one main stalk to grow (never more than two). Pinch out the crown or center above the second pair of leaves. The principle of taking out the center is to develop the eyes, which are located at the base of the leaves. The top pair of eyes will make themselves evident in surprisingly short time, and these shoots or branches on most varieties should be pinched back again, P2 unless they are short stemmed varieties. In that case, they should be side pruned as indicated at F in Drawing Y, leaving not more than one pair of eyes on each branch. By the time these get a start, the second or lower set of eyes on the main stalk will have developed along with those above. These stems should bear the first four to six flowers.

DISBUDDING, as indicated by T in drawings, is the pinching or rolling out of the small bud growing at the base of each leaf. These can be cut out with a pointed knife if they have developed considerably before disbudding.

When the terminal bud on each of these stems is about the size of a small acorn, or as soon as the side shoots are large enough to pull out, disbud by taking out all the side buds and shoots except the lower pair on each of the branches which should be allowed to grow to form later flowers. Leave only one side shoot as shown in Drawing X or one to two shoots on Drawing Y, should you desire very large flowers. These new branches should be handled as the previous set as soon as they have developed sufficiently. All of the disbudded stem should be cut with the flower, when following X or Y. This early disbudding and pruning is not solely for the benefit of the first six flowers, but mainly to keep the bush low and properly branched for the future crop, also aiding in root development.

Should you fail to pinch out when plants are small, it will be necessary to use system shown on Drawing Z or exercise care with late topping or cutting back not to open hollow stems so that water can get in and start stem rot. These openings can be stopped up with wax or plaster paris. Should water get into the stalk, slit the stalk just above the nodes with the point of a sharp knife, and by twisting the knife let the water out.

Certain varieties branch to excess. These should be thinned out at intervals of two weeks, and not more than six shoots allowed to come into bloom for the first flowers. This affords the plant better air circulation and sunlight. Without plenty of air and sunlight your blooms cannot be fully developed and your foliage will be easy prey to mildew.

These drawings are made with the hope of making disbudding easier. The **left side** of each drawing shows half of the plant **disbudded**, while the **right side** shows the normal development of branches and buds on the same plant when **not disbudded**.

Key Letters to Drawings

- B Terminal Flower Bud
- C Secondary Terminal Bud
- D Lateral Bud
- E Branch
- F Side pruning, removing B and D
- I Internode
- L Lateral Branch
- N Node
- P Pinched out once
- P₂ Pinched out twice
- R Stalk
- S Stem
- T Where shoot or bud has been removed
- U Stem Stalk



PINCHED BACK TWICE

Drawing X is recommended for most large flowering varieties under normal growing conditions. Pinching out once is best for varieties that branch readily, while pinching out twice will prove advisable on varieties that grow main branches rapidly and develop lower branches slowly.



Drawing Y differs from X in that it is for a variety that is known as a crotch bloomer, or for a variety with short stems where the flowers are often down in the foliage. This is easily handled by side pruning, as indicated at **F**, using the secondary terminal bud instead of the first terminal bud finally for your bloom. The **right side** of the drawing shows **natural growth** after pinching out twice, which is not desirable except for mass color in landscape effects.



Drawing Z is another system, which is recommended for some varieties but can be used for most dahlias (except crotch bloomers) should you desire to see one early bloom. Our reason for not recommending this is that dahlias are not at their best in the hot weather and this one bloom is not always up to expectation. Again, the right half shows normal branch and bud development when not disbudded, with most of the growth in the top of the plant. There are, however, a few varieties that need the mature foliage on the main stalk to keep the roots functioning properly, so when removing this crown bloom leave the central stalk and leaves on the plant but disbud the entire stalk, as shown on the left half of drawing.

Key Letters Used in Index

The key letter just ahead of the price is our recommendation of the system to use in topping and disbudding for each variety listed.

V Do not disbud. For early blooms pinch out once or twice as indicated on right side of Drawings X and Y. For later blooms, cut back to about 6 inches above ground 6 weeks before you want blooms when growing in light soils; in heavy soil allow 7 to 8 weeks. Always leave the side shoots or branches to come into bloom. This system works very well

for the smaller type dahlias; such as, miniature, pompon, single, orchid flowering, anemone, and collarette; also for the larger dahlias when grown for mass color and landscape effects.

W Cut back six weeks before you want bloom leaving about six small branches for your first six blooms and disbud as soon as laterals are large enough by following Drawing X, if stems are naturally long, and Y when stems are short.

X, Y, Z See Drawings.

IRRIGATION

When your dahlias need water, wet the ground so it will penetrate about a foot deep when growing in light soil. In heavy soil, watering need not be as heavy, as it may be followed by a rain and over-watering may result. Cultivate as soon as sufficient drainage has taken place, and do not water again until necessary, which will be in about a week.

Except as recommended below for insect control, do not spray your dahlia bushes, nor sprinkle the surface of the ground every night or so, for this will only pack the surface, preventing air circulation and causing the soil to crust and dry rapidly in the sunshine. This also draws the feed roots to the surface, to be sickened by the heat of the sun's rays. The flowers produced are soft and the root development very poor, low in vitality and hard to winter.

TILE DRAINAGE can be easily and inexpensively installed in heavy soil for irrigating in dry weather and afford drainage in wet weather. Arrange your rows of dahlias with the natural slope and where each row of dahlias is to be planted, dig a trench about 15 inches deep and place in it a row of porous drainage tile with a uniform fall toward the low end. Connect the rows of tile across at top and bottom (glazed sewer tile tees suggested), install a gate valve at the low corner, and pipe off so that the water will readily drain away. On the high corner of your garden, install a vertical tile stand pipe in which a float valve or hose can be used for filling. In wet weather, leave the gate valve open to drain. In dry weather, close the gate and run water in the stand-pipe until you have given your dahlias a good drink by sub-irrigation. This system can be made still more efficient by filling in around the drainage tile with a coarse porous material, such as coarse ashes or coarse sand, before filling level with regular garden soil. This installation will not be unsightly and last indefinitely.

Automatic overhead irrigation is the most satisfactory all-round system for light soils. It is ideal for the early growing season and we recommend its use in the middle of the day in bright sunshine during this period, as it will discourage thrips and leaf hoppers and control red spider. If insects are bad we recommend sprinkling every two or three days from 1 to 1½ hours each time until insects are under control, then harden the plants off with less water and more cultivation. This will not only discourage insects but help the plants out-grow the insect injury. When bushes are well developed and buds breaking it is best to water after nightfall, less often and more thoroughly. Once a week should be sufficient in real dry weather.



CULTIVATION

By cultivating at least once a week, twice preferably in the early season, and as soon after rain or irrigating as the ground can be worked, the weeds will be held in check and a soil mulch formed which will conserve the moisture and lessen the need of irrigation.

As the plant develops and the feed roots come toward the surface, the ground should be worked rather shallow around the hill for the radius of at least a foot. Still work the balance of the ground rather deep and bring some fresh soil to the plant at each cultivation, giving the plant a new supply of food and protecting the surface roots from the heat of the sun. Have the hills mounded 3 to 5 inches by the middle of September. This will help support the stalks and protect the roots from freezing should an unexpected cold spell catch you before digging.

PESTS

THRIPS are tiny insects which in the nymph stage are less than $\frac{1}{8}$ of an inch long and a greenish gray color. They enter the growing leaf bud and chafe the newly formed leaves, injuring them so that they develop malformed and curled, also injuring the small flower buds and stems. These insects seem to enjoy the life blood of certain varieties on account of its flavor and do not molest the adjacent bush. If the attack is not checked the leaves will be gnarled and twisted, the buds one-sided or so injured that they dry up and fall off. This usually results in a stunted bush, which in reality is only debilitated by insect ravages.

LEAF-HOPPERS are larger than thrips and of a pale yellowish green color, a little over $\frac{1}{8}$ of an inch in length. They fly when the bush is touched during the heat of the day. These sucking insects do much to keep a plant from getting a good start.

APHIDS (plant lice) are soft-bodied, sucking insects which usually work on the under side of the leaves in groups, causing the leaves to curl. Thrips, leaf-hoppers and aphids are possible common carriers of virus diseases and should be kept in control for this reason, if for no other.

A good control method is to spray with pyrethrum soap. This can be done at any time of day and regardless of weather conditions, except rain. We have found this very effective for leaf-hoppers, thrips, red spiders and aphids. Use 4 ounces to 5 gallons of water. For all beetles, grasshoppers, ants and more hardy insects, use double strength or half the amount of water. Should a bush be infested with ants, spray bush and pour a few quarts of spray down the ant hill, or enough to fill the hill. This will do the dahlia no harm, but kill the ants. A number of our customers, as well as ourselves, have had wonderful results by using a pyrethrum soap, 4 ounces to 5 gallons, and adding $1\frac{1}{2}$ teaspoonfuls of Black Leaf 40 to each gallon. This kills not only by asphyxiation, but also by the toxic action of the pyrethrum.

Another control of thrips, leaf-hoppers and aphids is dusting with a good nicotine dust. Apply in sunshine with the temperature above 70 degrees at weekly intervals as a preventive from the time the plants are set or roots start to grow, and if any should appear then about every four days until they are controlled. For small plants a paper funnel on the end of the duster spout, held over the plant for about one minute when dusting, will increase the kill materially.

During the windy weather when dust cannot be applied to advantage, overhead sprinklers used during the heat of the day will control red spider and check the leaf-hoppers and thrips. See "Irrigation."

By dusting or spraying before the presence of insects, it is doubtful if you will see any. As it is difficult to procure nicotine dust and pyrethrum soap in most localities, we are listing them under "Dahlia Grower's Supplies."

RED SPIDER in late years has caused considerable damage to dahlias. This insect is barely discernible with the naked eye and works with such rapidity that you may have a row of dahlias today and within a few days or a week all the lower leaves will be as brown as cured tobacco leaves. There will be a very fine white web in evidence on the under side of the leaf. These insects multiply very fast in dry, hot weather, do not like strong air currents, and cannot stand cold water, especially applied with pressure. Syringing or spraying will help in their control. A spray of one level teaspoon of Colloidal Sulphur to one quart of water will be found very effective, and two sprays two or three days apart should clean up the infestation entirely.

CUT WORMS are easily controlled by scattering about a teaspoonful of poison bran bait around the plant (but not touching it) as soon as plants are set or shoots appear from roots. The early evening is the best time to apply it.

2 tablespoonfuls of molasses or brown sugar (dissolved).

1 level teaspoonful paris green mixed in.

Juice of an orange or equivalent in water.

1 quart of bran or enough to make a reasonably dry mash.

STEM BORER. This black-and-white-striped worm when small enters the stem just above the ground and usually works upward. It will be noticed in the early season by the shortening of the internodes and later on by wilting. When noticed early, cut the plant off near the ground and get the borer with your knife. If the borer is below where you want to cut back, use a hooked wire from the top. A plant cut back not later than July 15th should be in full bloom early in September. Wax or plaster paris may be used to close up top of plant after borer is out so water will not get in and rot the plant.

Should a plant be too large to cut back when borer is discovered, use pyrethrum soap at strength of $2\frac{1}{2}$ ounces to gallon and inject with ear syringe. This will kill the borer or drive it out. Drain stalk out by slitting at the bottom to prevent stem rot.



STUNT. In our twenty-seven years with dahlias, we have dug and destroyed all unhealthy stock, and the results are most gratifying. This is properly called rogueing. As there are a number of reasons why a plant should stunt, it is hard to tell the exact cause. However, we do know that rogueing is the only practical way of eradication, and believe some of the causes of stunt may be attributed to one or more of the following conditions:

First: From lowered vitality as a result of poor culture, lack of cultivation, etc., or forcing the stock with manure and water the previous season.

Second: The ravages of attacking insects, thrips, leaf-hoppers, red spiders, stem borers, etc.

Third: The rotting of the feed roots caused by too much water, where drainage is poor, or water in the hollow part of the stem.

Regardless of cause, all stunt should be dug out and destroyed. Our many years of this practice leaves us less than 1 per cent to dig annually on most varieties.

MILDEW. Gray spots on the leaves sometimes covering the entire leaf are the result of the growth of fungus spores known as Mildew. This is a result of a condition—lowered vitality—caused by lack of or an oversupply of water, planting too close without proper air circulation, or extremes. These adverse growing conditions are conducive to Mildew.

Spray with plain Bordeaux Mixture as prescribed on package once a week, preferably before the spots appear.

CUT FLOWERS

Dahlias should be cut in the evening or early morning, removing the lower leaves and all of the buds of the large varieties, if not disbudded. Immediately put in water in a cool dark place to freshen for a few hours.

Hot Water Treatment—Cut and freshen as above, then put stems in 1 inch of water, almost boiling, for 1 to 2 minutes. Then place in deep cold water to cool. Flowers are then ready to ship by packing in a strong corrugated box lined with tissue paper. Fasten stems down by nailing a wooden strip in the center of the box or by tying down through the bottom. Flowers packed snugly will carry better than when packed loose and allowed to batter.

Flowers when wilted can be freshened by cutting end of stem and placing in hot water as above. If necessary to completely freshen flower, repeat this operation but cut off discolored end of stem before again placing in hot water.

The hot water treatment will do wonders in making your exhibition blooms keep fresh after staging, but do not cut off the discolored end of stem unless you are again going to treat it.

The physical action of a cut flower is to take water up into the stem which evaporates through the flower and foliage. The slower this action of evaporation or transpiration takes place, the longer the life of the flower. From this you will see that buds and foliage will shorten the life of your flower. Also avoid placing cut flowers in a draft.

DIGGING AND STORING

After the first killing frost, cut off the tops at the ground and allow a few days for the stalks to bleed out before digging. Where roots are planted deep, some of the top soil can be removed before digging. Care should be exercised so that the necks of the tuberous roots will not be broken. Loosen the roots by prying with a garden fork thrust in the ground about a foot from the crown, preferably all the way around, before attempting to remove clump. Two forks, if available, are even better. Cut the stalk back again to about 2 inches above the crown. Then by tapping on the cut stalk endwise with a light instrument, most of the dirt will free without injury to the necks of the roots. Dry in the sun a few hours, and your clumps are ready to store.

A root or white potato cellar is preferable with a temperature of 40 to 45 degrees. In this they need no protection or covering. The average house cellar is too dry and hot, and in such conditions the clumps should be placed in the coolest part and packed upside down in a tight box in practically dry sand, ashes, or peat moss.

When packing in dry material, such as peat moss, care should be exercised, first, not to allow clumps to sit around and shrivel before packing away, but pack away the same day as dug if you are using dry peat moss as it comes from the bale. Second, do not use more peat moss than necessary to just barely cover each layer of clumps before putting in the next layer. The reason for this precaution is that all root crops sweat when taken into storage. The purpose of the peat moss is to absorb this sweat and conserve it for later on when the roots need it. Therefore, too much peat moss will cause your roots to dry out.

After the roots are stored a month, it is well to look them over, trim out any portion showing rot and dip all the fresh cuts in equal parts of sulphur and ground gypsum, and pack them back again as before. Should the roots show signs of shriveling, place dampened peat moss over the top of the box to prevent further drying.

Dahlia roots air dried and so packed should keep well until spring with no further handling, providing they were grown properly, well ripened, and not frosted.

DIVIDING CLUMPS

Dahlia clumps can best be divided with the aid of double cutting pruning shears and a pruning knife. Broken necks and fibrous roots should first be removed as the eyes are on the crown and never on the root proper. Then proceed to divide with shears or knife. Care should be exercised to have a piece of crown with an eye on each one or two roots. Clumps should never be planted without dividing.

WHEN TO DIVIDE. For the amateur in this latitude, clumps are better not divided until early April when the eyes should appear if crowns have kept well up to this time. Clumps can be divided in January and February but on early dividing it is not advisable to cut apart to single root divisions, but rather divide a clump into two to four pieces, dipping cut portions as recommended above and repacking as before, changing moisture content to correct either drying out or too much moisture which may have started eyes developing too rapidly.



FORMAL DECORATIVE DAHLIAS

Mary Ellen

CARDINALIS (Jas. Kennedy 84), g e, Bloom 8 x 3, Bush 5 ft. Brilliant cardinal red. Strong upright grower with long, erect stems. Profuse and early bloomer. Plants, .50

FORT WASHINGTON (Rindfleisch-Jost 84), g e, Bloom 10 x 4, Bush 7 ft. The bushes as well as the flowers are giants with long, strong stems. A dark amaranth red which does not fade. The long run of popularity is certainly a tribute to this variety. Roots, .50; Plants, .50

MARY ELLEN (Loller 85), c g e, Bloom 11 x 5, Bush 5½ ft. Described as a seedling of Mrs. I. de Ver Warner, with the same habit of growth, which is a good recommendation. The color is a violet rose, with considerably more pink than lavender. Flowers attain wonderful exhibition size. Roots, \$1.50; Plants, .75

MEADOWBROOK (Ruschmohr 85), g e, Bloom 10 x 4, Bush 6 ft. An exceptionally strong and rugged grower with heavy foliage. Stems very long and always erect, holding the flower well above the bush. Blooms are imposing and of regular formation. Color is lilac veined rosy magenta giving a general tone of mallow purple. Roots, \$1.50; Plants, .75

MONMOUTH CHAMPION (Kemp 85), g e, Bloom 11 x 4, Bush 5½ ft. One of the best of the recent introductions of immense size. A vigorous grower, producing beautiful exhibition blooms of a brilliant scarlet orange. Perfect stems and insect-resistant foliage. Still a consistent prize winner. Roots, \$1.00; Plants, .50

MRS. I. DE VER WARNER (Marean 84), c g e, Bloom 10 x 3, Bush 6 ft. The forerunner and parent of a number of our popular American dahlias which are characterized by sturdy, open-growing bushes, insect-resistant foliage, strong stems and full centered blooms. Color, bright lilac rose. .25

ORINDA (Newberry), g e, Bloom 10 x 3, Bush 6½ ft. Rich, silvery mauve pink without shadings. Immense blooms held gracefully on long, stiff stems. A tall, healthy grower which won quite often on the show table last fall. Plants, \$1.00

SULTAN OF HILLCREST (Scott 85), 1933, g e, Bloom 11 x 6, Bush 3 ft. The unique form with the petals recurving to the stem attracts one's attention. Huge blooms of lemon yellow with reverse of rosy pink on strong stems, giving an unusual color effect. A dahlia we can recommend for the largest bloom class. Certified at Storrs. Roots, \$7.50; Plants, \$3.75



FORMAL DECORATIVE DAHLIAS

CHAMPOEG (Crites-Kemp 82), **Bloom 9 x 4, Bush 5 ft.** The unusual coloring of Champoeg makes it an especially attractive flower. It is a waxy canary yellow at the center and shades into a soft rose red, which deepens in cool weather. The backs of the petals are pale yellow. Strong, sturdy stems hold the flowers well above the rough thick foliage. Blooms are produced early and freely.

Roots, \$1.50; Plants, .75

JERSEY'S TRIUMPH (Waite 83), **c g e, Bloom 8 x 4, Bush 5 ft.** The rather unusual coloring of this dahlia gives it a place in a well-balanced collection. Color, bright copper, suffused salmon bronze. Stem, bush and growth are ideal, similar to Jersey's Beauty. Centers full and deep.

Roots, .75; Plants, .50

MONMOUTH QUEEN (Kemp 85), 1934, **g e, Bloom 10 x 5, Bush 5 ft.** Full centered flowers of good size and depth held facing on long, stiff stems. A wonderfully strong grower, bright green foliage, and a prolific bloomer. Color is a pleasing lemon yellow in center of the flowers gradually passing to light primrose or cream yellow on back petals. Winner in the seedling class at Asbury Park and Red Bank Shows in 1933.

Roots, \$7.50; Plants, \$3.75

QUEEN OF THE GARDEN BEAUTIFUL (Burns 82), **g e, Bloom 10 x 4, Bush 4½ ft.** This distinctive and interesting dahlia originated in the famous garden of San Quentin Prison. An immense primrose yellow, facing upward on strong stems. An occasional bloom has a green center.

Roots, .75; Plants, .50

DOINGS OF THE A. D. S.

The Trial Grounds of the American Dahlia Society at Storrs, Connecticut, and East Lansing, Michigan, are doing a lot to standardize the dahlia. A dahlia grower who does not know what is going on in other parts of our good old U. S. A. is apt to think his child is just the grandest creation there is, but when his new variety has to rub shoulders with other varieties in these trial grounds, it does not always prove as good as he had thought.

The more of these melting pots we can have in different sections, within reason, of course, the more assurance our dahlia fan will have of getting worthwhile varieties. After a dahlia has been grown in different parts of the country under the same system, and scored high by two or more sets of judges, we will all be more certain that it will behave well when out in commerce or away from home.

Seedlings may be sent to the A. D. S. Trial Grounds at Storrs, Conn., where they will be well grown under the supervision of Prof. Roland Patch, and to East Lansing, Mich., where Prof. C. E. Wildon is in charge. Scoring and description will be published in the Bulletin and stock returned to you. Fee for each seedling is \$3.00 and three roots or plants of each required. We want to urge all interested in sending new varieties to Trial Grounds to consider using both Trial Grounds, preferably the same year.



Monmouth Queen

POTASH FED DAHLIAS

"Potash Fed Dahlias" is not a secret or just a trade name, but a modern method of growing dahlias so that they are literally alive with energy, assuring you of success. In South Jersey with its long growing season, well ripened stock can be produced that will give the best possible results. We have found that dahlias grown in light soil for a period of from one to three years will do wonderfully well when moved to heavier soil conditions with no time lost for acclimation.

The application of Potash in combination with the other elements necessary for proper plant growth (See "Fertilizer"), accompanied by the following conditions, will produce Potash Fed Dahlias: **First.** Cultivation to aerate and sweeten the soil to keep the plant in a steady, healthy growing condition. (See "Cultivation"). **Second.** Watering when necessary to make and keep the plant food available at all times. (See "Irrigation"). **Third.** Most important of all is the health of stock from which your plants or roots were grown. This condition has its direct effect on the results obtained; for an unhealthy plant, whether stunted or diseased, cannot take up potash, or any other element of plant food, in sufficient quantities while in this debilitated condition. Hence, unhealthy or diseased plants cannot be "Potash Fed" even if grown in the midst of plenty.

A. D. S. NEW YORK SHOW

The A. D. S. Show will again be held in the Hotel Pennsylvania, Thursday and Friday, September 26 and 27. Dahliadel cordially invites you to take part in this show by attending if you cannot exhibit.

The Quarterly Bulletins, which have been greatly improved by the addition of several new features, contain much interesting and authentic dahlia information. With our fine new Bulletin, I cannot help appealing to you, if you are not already a member, to join the A. D. S., dues \$2.00, and you will receive the Bulletin regularly. Our secretary is Louis Alling, 251 Court St., West Haven, Conn.



FORMAL DECORATIVE DAHLIAS

Omar Khayyam

CHAUTAUQUA SUNSET (Wallace 82), 1933, **g e**, Bloom 10 x 5, Bush 3½ ft. Most pleasing in color as it is a blending of sunset shades, apricot shaded yellow and suffused coral red. Growing habits are good with strong, straight stems and dark green foliage. **Plants, \$2.50**

EASTERN STAR (Dahliadel 81), **c g e**, Bloom 8 x 4, Bush 5 ft. Color, a saffron yellow with old gold shadings. Flowers of great substance and good keeping qualities, with full centers held on strong, erect stems. Excellent bush growth and free flowering. **.50**

EDWARD T. RINDFLEISCH (Rindfleisch 82), **g e**, Bloom 9 x 5, Bush 4½ ft. A bright scarlet. The imposing appearance is due mainly to the large, broad petals of the bright flowers held well above the foliage on strong, straight stems. Free bloomer. **Roots, \$2.00; Plants, \$1.00**

JERSEY'S BEACON (Waite 84), **c g e**, Bloom 9 x 4, Bush 4½ ft. Still the most spectacular of the Jersey family. Color, bright scarlet with a buff reflex, giving a two-tone effect. A free, early bloomer of massive proportions with sturdy stems. **.35**

OMAR KHAYYAM (Stout-Dahliadel 85), **c g e**, Bloom 10 x 5, Bush 6 ft. This much-admired dahlia originated by Miss Virginia Stout was certified with one of the highest scores at Storrs Trial Grounds in 1930. The unusual coloring is a Chinese red at the base of the petals, shading to a bright orange and tipped lighter, making a wonderful soft color effect. It is a tall, healthy grower, with strong foliage and, incidentally, is a good root maker. We classify this dahlia as a Formal Decorative, although the picture, which was taken late in the season, shows a number of petals of Informal formation. **Roots, \$1.00; Plants, .50**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION



FORMAL DECORATIVE DAHLIAS

CHICK (Sbertoli 83), c g e, Bloom 9 x 4, Bush 4½ ft. Primrose yellow with gold suffusions. Early crown blooms sometimes have poor centers. This variety should, therefore, be topped twice, eliminating this fault. Later blooms are large, well-formed, attractive and of good keeping qualities. Received favorable comment wherever shown.

Roots, .75; Plants, .50

DR. JOHN CARMAN (Dixon 85), c g e, Bloom 10 x 5, Bush 5 ft. A dahlia you will admire, as it is large and attractive, but not coarse. Color, Tyrian rose, shaded silver. Greatly improved if grown in partial shade, as this softens the coloring. A dahlia of exceptional growing and blooming qualities suitable for landscape work, and a good keeper when cut.

Roots, .50; Plants, .50

EMANUEL'S BEAUTY (Mendosa 84), g e, Bloom 9 x 4, Bush 5 ft. The evenly formed, large, bold flowers are held erect on strong stems. Color is a pleasing combination of lemon yellow with scarlet suffusion. Bushes strong and rugged.

Roots, .75; Plants, .50

FRANCIS LARocca (Rindfleisch 80), c g, Bloom 6 x 3, Bush 4 ft. Pale sulphur yellow; very satisfactory as a cut flower. Blooms profusely on good stems. Vigorous grower.

.35

FRAZIER (Peacock 84), c g e, Bloom 8 x 4, Bush 3½ ft. The bushes of this variety are rather dwarfed, but it is a free, continuous bloomer on rigid stems. Color a rich glowing Oriental red, tipped yellow, with yellow at the base of petals. It is an exceptionally good keeper when cut, and is very showy.

Roots, \$1.00; Plants, .50

GLORY OF MONMOUTH (Kemp 84), g e, Bloom 8 x 5, Bush 5 ft. A beautiful salmon pink with light orange at the base of petals. The bush is of rather compact branching habit, literally covered with blooms, making it a beautiful specimen. Flowers are of a heavy texture produced on long, sturdy stems. Good substance and artistic coloring.

.50

GRAF ZEPPELIN (Nolet 85), c g e, Bloom 8 x 4, Bush 7 ft. This dahlia will stand out as a sentinel in your garden as it is the strongest and tallest growing dahlia we offer with the exception of Jack's Bean Stalk. The large white flowers are regular in formation with centers full. Stems are very long and erect.

Roots, .75; Plants, .50

HARRY MAYER (Reed 80), g e, Bloom 9 x 4, Bush 4 ft. A fine exhibition dahlia that holds an even, full center, has size, depth and strong stem. Bush grows sturdy but rather compact. Color, beautiful silvery pink with a rose pink reverse. An attractive and satisfactory dahlia.

.35

JANE DIXON (F. & M. 85), 1933, g e, Bloom 8 x 4½, Bush 4½ ft. The contrast of large, high centered blooms of soft apricot buff, edged rose, on the massive, dark green foliage make an attractive picture in the garden or when cut. Stems are strong and erect.

Roots, \$3.50; Plants, \$1.75



Sanhican's Cameo

JANE HALL (Peacock 83), c g, Bloom 6 x 4, Bush 4½ ft. A full, high-centered decorative with petals reflexing to stem and keeping well when cut. Blooms well above the foliage on stout stems. Color, buff yellow with bronzy suffusion.

.25

SANHICAN'S CAMEO (F. & M. 87), 1933, c g e, Bloom 10 x 5, Bush 5 ft. A dahlia sufficiently different in coloring to justify its presence. Color, coral-rose shaded mallow pink on reverse, with golden sheen on face of petals, glowing beautifully under artificial light. Bush sturdy, stems long and erect. Blooms keep well for cutting and exhibiting.

Roots, \$2.50; Plants, \$1.25

TREASURE ISLAND (Dahliadel 86), c g e, Bloom 10 x 5, Bush 5 ft. One of our brightest autumn shade dahlias. Color, bright apricot with gold and rose suffusion and shadings. Bush growth is strong, branches readily from the ground, giving four-foot stems. It has been a wonderful success wherever grown, especially where most varieties fail in a dry season this variety withstands all tests. Disbud for first eight blooms according to Drawing Y, for the balance of the season according to Drawing X. This will bring the bush up to about five feet and the side branches will come to about the same height. This dahlia is becoming more popular each year and is a real winner on the exhibition table. Very desirable when not disbudded for a mass of color in landscape work.

Roots, .75; Plants, .50

W. H. T. (McCarrol-Schling 85), g e, Bloom 10 x 5, Bush 6 ft. This pleasing variety is a shade not common in big dahlias, rich old rose or begonia rose with mauve shadings on the reverse of petals. It is a tall robust grower with strong stems. Petals are thick and of great substance, opening back to the stem, which is a very desirable feature in a dahlia of this type.

Roots, .75; Plants, .50



Ballego's Glory

ALLEN A (Angel-Fraser 83), **g e**, **Bloom 9 x 5**, **Bush 5 ft.** A very pretty dahlia of ivory white with lilac suffusions and reverse. A garden variety that grows to exhibition size.

Roots, \$3.50; Plants, \$1.75

BALLEGO'S GLORY (Ballego 85), **c g e**, **Bloom 6½ x 4**, **Bush 3½ ft.** A Holland variety much admired for its distinctive color, which is mahogany red with gold bordered petals. The shadings depend on the general weather conditions. Bush, medium height of rather compact growth. Received First-Class Certificate and Award of Merit at Haarlem, Holland. Early in bloom and good to the last.

Roots, \$1.00; Plants, .50

GRACE (Bibbs 85), **c g**, **Bloom 6 x 2½**, **Bush 6 ft.** This dahlia will remind you a lot of Jersey's Beauty in form, not quite as deep a flower, but will give you twice as many blooms. It might be called a blooming fool, from early to late with centers perfectly full, stems long and stiff, but not clumsy. Color, pure white tipped and suffused lavender. As a cut flower it is very profitable.

Roots, .50; Plants, .50

IDA PERKINS (Montrose 84), **c g e**, **Bloom 8 x 4**, **Bush 5½ ft.** One of our good all-around white dahlias, of fine form, with full centers. A good keeper when cut. Blooms early and continuously. Dark, leathery foliage. **.50**

KATHERINE COLE (McDowell-Waite 83), **c g e**, **Bloom 7 x 3½**, **Bush 5 ft.** A free-blooming variety with healthy foliage. Stems are long and strong. Cream, suffused light pink, and tipped lilac rose. **.50**

MR. C. H. DRESSELHUYS (S. & G. 80), **c g**, **Bloom 6 x 2½**, **Bush 5 ft.** Popular with the commercial grower because of its productiveness and keeping qualities. Medium-sized blooms on long stems. Soft rose pink with lighter shadings. **.25**

DAHLIADEL NURSERIES



FORMAL DECORATIVE DAHLIAS

SAGAMORE (Kirby 84), **c g e**, **Bloom 7 x 3½**, **Bush 5½ ft.** This dahlia is a wonderful commercial and exhibition variety. Color, amber gold, elusively shaded with a warm salmon rose and orange buff. An open, strong grower with good stems, of uniform large size. **.35**

SNOWCAP (Fraser 85), **c g**, **Bloom 6 x 3**, **Bush 5 ft.** A very fine white with just a little cream cast. Centers are always full and deep. Strong, erect stems. Bush is good with leathery, insect-resistant foliage. This dahlia is fine for cutting and shipping.

Roots, \$1.00; Plants, .50

SNOWDRIFT (Broomall 77), **g**, **Bloom 9 x 3**, **Bush 4½ ft.** Large pure white with broad, rather flat waxy petals. Has a good stem by disbudding. A good bloomer and easy to grow. **.35**

THOMAS A. EDISON (Dahliadel 86), **g e**, **Bloom 9 x 4**, **Bush 4 ft.** This gorgeous dahlia, selected and named by permission of the famous electrical wizard, is still a popular winner at our big shows. In the garden it is impressive with its staghorn petal formation, the large, dark green, insect-resistant foliage, the cane-stiff stems, the thrifty growth, and greatest of all, its color. It may be described as a royal purple or petunia violet. A. D. S. Cert., 1929. Award of Merit, Holland Trial Grounds, 1931. This dahlia is a slow grower and will, therefore, stand fairly good culture with safety, and should not be topped back, but handled according to Drawing Z. We are confident it will please you.

Roots, .75; Plants, .50

AMERICAN DAHLIA SOCIETY OFFICIAL SCORE CARD

THE AMERICAN DAHLIA SOCIETY
OFFICIAL SCORE CARD

Designed by Warren W. Maytrott

NAME.....	Type.....
Originator .....	.....
Each column represents basic perfection. Deduct in each case for less than perfection.	
Com- Exhi- Small mer- bition.....20.....20.....20	Landscape CLASSIFICATION Color—Clean - Attractive - Useful Burns - Fades - Dull
.....15.....15.....20	Form—Artistic - Uniform - True to type Ordinary - Deformed
..... 5..... 5..... 5	Distinctive in Form or Color
..... 0..... 0.....10	Size x Diameter x Depth
.....20.....20.....20	Stem—Strong - Erect - Long - Graceful Weak - Crooked neck - Crotch
.....20. ....15.....20	Foliage—Healthy - Leathery - Insect-resistant Attractive - Weak
.....10.. ..15..... 5	Substance—Back good - Petals firm
.....10.....10..... 0	Floriferousness (Field judging)
.....[].....[].....	Uniformity (Bench judging)
..... S..... C..... E	Total Score Bush height.....Ft.
Insect damage	
Color description	
Remarks	
Where scored.....Stake No.....	
Scored by.....Date.....	

You will note quite a few changes in the scoring of the older varieties, due to the fact that the new score card which we are using is giving us a truer picture of our comparative values or ratings on the different dahlias. Our standards are higher; consequently, our ratings are lower.



FORMAL DECORATIVE DAHLIAS

BUCKEYE BRIDE (Roberts-Peck 85), **c g e**, **Bloom 8 x 5, Bush 6 ft.** This impressive flower was one of the favorites in our trial grounds. The bush is a tall, rugged grower. It is an early and continuous bloomer on long, erect stems. Color, a distinctive even shade of salmon pink. **Plants, .50**

CASPER G. WARE (Bowen-Dahliadel 80), **g e**, **Bloom 8 x 4, Bush 4 ft.** Grown without disbudding, you have a mass of color throughout the season. For exhibition or cutting, prune out, leaving only four to eight shoots; and by side pruning you will have blooms up to 9 inches in diameter, on good stems. Color is a pleasing shade of bright, silvery violet rose. **.35**

ELITE GLORY (Kennedy 83), **g e**, **Bloom 10 x 4, Bush 4½ ft.** A dahlia that has had a long run of popularity and is still good. Color, rich red. Blooms large, of good form and substance and held erect on strong stems. **Roots, .50; Plants, .50**

GOLDEN ECLIPSE (Badetty 84), 1934, **c g e**, **Bloom 8 x 4, Bush 5½ ft.** A clear, golden yellow with salmon and flesh shadings at the center. Won as the best Formal Decorative in the Seedling Class in New York in 1932. Certified at Storrs, 1933, and a tall, vigorous grower with long stems. Its remarkable keeping qualities assure its popularity as a commercial as well as an exhibition dahlia.

Roots, \$3.00; Plants, \$1.50

JACK'S BEAN STALK (Dahliadel 85), 1934, **c g**, **Bloom 6 x 5, Bush 10 ft.** This freak reminds one of Jersey's Beauty in form and color as it is a bright, pure rose pink. Blooms complete back to stem even more than Jersey's Beauty, making a ball. If you have a building you wish to screen or if you want to cut your blooms from a second story window, this dahlia will fill the bill, as it can easily be grown 10 ft. and probably more with a little feeding. Fool your friends with this trick dahlia and let them guess how you ever grew Jersey's Beauty so tall.

Roots, \$2.00; Plants, \$1.00

JERSEY'S BEAUTY (Waite 86), **c g e**, **Bloom 6 x 4, Bush 6½ ft.** Probably the most popular of any dahlia, especially as a cut flower. The ideal pink for exhibition or florist use. Large, deep flowers of perfect form on long stems. Free, early bloomer, with exceptional keeping qualities.

Roots, .35; Plants, .35

KENTUCKY (Castlewood 86), **c g e**, **Bloom 7 x 5, Bush 6 ft.** This dahlia has the same ideal characteristics as Jersey's Beauty, of which it is a sport, and apparently a stronger grower. Its color is the Jersey Beauty's pink, with a lot of yellow and gold blended in, making it more of a salmon pink. Good for cutting.

Roots, .50; Plants, .35

OLD HICKORY (Dahliadel 85), **c g e**, **Bloom 7 x 5, Bush 3½ ft.** The dahlia that is easy to grow. A rough-and-ready, rugged plant, semi-dwarf with each branch bearing a large bloom which is almost a ball with centers always full. Stems are ideal for basket arrangement, and the blooms are wonderful keepers. Color, madder red with apricot suffusions.

Roots, .50; Plants, .50



The World

RISING SUN (DeWilde 83), **c g**, **Bloom 7 x 3, Bush 4½ ft.** A very much admired and attractive variety. Color, sunflower yellow shaded and suffused fire red. Stems are strong and erect, holding the flowers facing partially upright. Not one of the largest flowers, but very pleasing in color effect. **.50**

SALEM PRIDE (Sickler 83), **g e**, **Bloom 10 x 5, Bush 4 ft.** A rather spectacular dahlia. Color, reddish violet, suffused and lightly streaked white. Blooms are large and deep on good stems when disbudded. Bush rather compact and of nice growth for the front of your garden.

Roots, .50; Plants, .50

THE WORLD (Dahliadel 85), **c g e**, **Bloom 9 x 4½, Bush 5 ft.** The coloring is an unusually rich, deep, rosy magenta, overlaid garnet, with silver shadings on edges of petals. A rich and beautiful combination of colors. Perfect, full centers. Stems are strong and erect. Foliage is thick and leathery. A good sturdy grower. This dahlia has good substance, but it is best not to let it bloom in the extreme hot weather, but cut back for blooms in cool weather, when the color will be as described.

Roots, .50; Plants, .50

PRICE VS. QUALITY

There are dahlias offered at lower prices than ours and we realize it is a temptation to buy at as low a figure as possible. We know you want to get as much as you can for your money; but to have 100% success, you must have the best stock that can be produced. Buying inferior stock at low cost is not an economical way to buy and seldom is the way to success.

DAHLIA ROOTS OR TUBERS

It has been common practice to call dahlia roots, "tubers." This is not correct botanically, as a tuber is a thickened or fleshy portion of underground stem having eyes or buds, from which new plants are produced, such as the potato; while a root does not contain eyes or buds. In the case of the dahlia, we really have a tuberous root with eyes on the crown and not on the true root itself. New varieties or species of plants grown from roots, not tubers, are patentable under the new plant patent act. This makes it necessary to call a dahlia root by its correct name.



Dahliadel Recommendations

of Large Flowering Dahlias

In response to many requests to recommend varieties for different sections and for color classes, we have prepared the following tabulation. The varieties are listed under color classes that we would recommend for exhibiting. The letters "N M S" give you an idea of the varieties that will come into bloom early for the North, stand dry winds in the Middle West, and stand up under the intense sunshine of the South. All varieties, including those without letter recommendations, can be grown successfully in New Jersey and in sections with similar growing conditions. The

letters "c g e" will enable you at a glance to select varieties for cutting or for the exhibition table. All the varieties we grow are useful for the garden or landscape in one way or another.

c g e—As explained on page 1, par. 4.

N—Northern Section of U. S. and Canada with a rather short growing season of 90 to 120 days.

M—Middle West and sections where summers are hot and dry.

S—Southern Section, season long, summer long and hot.

WHITE

Andrea Ericson	N M S	g e
Grace	N	c g
Graf Zeppelin	M	c g e
Ida Perkins	N M	c g e
Royal White	M S	c g e
Snowcap	N M S	c g e
Star of Bethlehem	N M	g e
White Duchess	M	g e
White Wonder		g e

YELLOW and CREAM

Ambassador	M S	g e
Arelda Lloyd	N M S	c g e
Aztec Glory	N	g e
Dahliadel Gold	N	g e
Democracy	N	c g e
Francis Larocca	N M	c g
Frau Ida Mansfield	N M S	c g e
Frau O. Bracht	N M S	c g e
Golden Sonne	N M	c g e
H. R. S.	N M S	g e
Jim Moore	N M S	c g e
Jugendpracht	N M S	c g e
Kay Francis	N M S	c g e
King Midas	M S	g e
Lady Moyra Ponsonby	N M	g e
La Fiesta		g e
Lincoln G. Dickey	N M	g e
Lord of Autumn	N M S	g e
Monmouth Queen	N M	g e
Mrs. Bruce Collins	N M	c g e
North's Yellow	N M S	c g e
Pot O'Gold	M S	g e
The Commodore	N M	g e
Waldheim Sunshine	N M S	c g e

ORANGE, BUFF and BRONZE

Achievement		g e
California Beauty	N M S	c g
City of Trenton	N M S	g e
Color Sergeant	N M	c g e
Derrill W. Hart	N	g e

Dixie Ravenscroft	N	g e
Edna Ferber	N M	c g e
Elite Sport	M S	g e
Eliza L. Shepard	N	g e
Emanuel's Beauty	N M S	c g e
Girl of Hillcrest	N M	g e
Hillcrest Nugget	N M S	g e
Jane Cowl	N M S	c g e
Myra Howard	M S	g e
Old Hickory	N M S	c g e
Omar Khayyam	M S	c g e
Palo Alto	M S	g e
Rudy Vallee	M S	g e
Sagamore	N M S	c g e
Sultan of Hillcrest	N M S	g e
Treasure Island	N M S	c g e

RED, CRIMSON and MAROON

Aiko	N	g e
American Triumph	N	g e
Anna Benedict	N M S	g e
Bagdad	N	g e
Conservatrix	N	g e
Dwight W. Morrow	N	g e
Elite Glory		g e
Fort Monmouth	N M S	g e
Good Night	M S	g e
Jersey's Beacon	N M S	g e
Karl Bonawitz	N M S	g e
Kentucky Red	N M S	g e
Maryland Glory	N M S	c g e
Monmouth Champion	N M	g e
Murphy's Masterpiece	N M	g e
Robert Emmet	N M S	c g e
Satan	N M	g e

PINK, SALMON and ROSE

Alice in Wonderland	N	g e
Buckeye Bride	N M S	c g e
Cavalcade	N M S	c g e
Dorcas Ann	N M S	c g e
Dorothy Stone	N M S	g e
Dr. John Carman	N	c g e

Elinor M. Radell	N M S	c g e
Emma Marie	N M	c g
Jack's Bean Stalk	N M	g
Jersey's Beauty	N M S	c g e
Jersey's Daybreak	N M S	c g
Josephine G.	N M	c g e
Kareol	N	g e
Kathleen Norris	M	g e
Kentucky	N M S	c g e
Margaret W. Wilson	N	g e
Miss Elsie Jane	N M S	c g e
Mr. C. H. Dresselhuys	N M S	c g
Paul Pfitzer	N M S	c g e
Ray Warner	N M S	c g e
Sanhican's Cameo	N M S	c g e
Shahrazad	M S	g e
W. H. T.	N M S	g e

LILAC and MAUVE

Clara Barton	N M S	g e
Dorothy Duke	N M S	c g
Grace Curling	N M	c g e
Lilac Glory	N M	c g e
Marian Broomall	M	g e
Mary Ellen	M S	g e
Meadowbrook	M S	g e
Mrs. I. de Ver Warner	N M S	c g e
Oriental Beauty	N M	c g e
Warren Church	M S	g e
Wenoka	N M S	c g e

VIOLET and PURPLE

Ella May	N M S	g e
Hunt's Velvet Wonder	M	g e
Jean Trimbee	N M	g e
Kemp's Violet Wonder	N M S	g e
Thomas A. Edison	M S	g e

BI-COLOR

Alice Stellick	N	g e
Ballego's Glory	N M S	c g e
Forest Fire	N M S	g e
Frazier	N M S	c g e
New Glory	M S	g e



PEONY DAHLIAS

DAHLIADEL GLORY (Dahliadel 84), g e, Bloom 8 x 3, Bush 4½ ft. This fine dahlia has a very artistic formation of broad, heavy petals, with a beautiful whirl center, on long, erect stems. A wonderful color blending of scarlet tipped reddish apricot, giving a henna effect. **Roots, \$1.00; Plants, .50**

MRS. FRANCES E. BULLARD (Broomall 83), g e, Bloom 9 x 4, Bush 4½ ft. The petals are long, pointed and gracefully twisted, forming a very distinct flower of a clear silvery or pastel pink, shading lighter at the center. Early blooms may have full centers. **Plants, .50**

THE U. S. A. (Stillman 80), g e, Bloom 8 x 4, Bush 5 ft. An old dahlia but a good seller. Color, a vivid orange. An early, free bloomer. **Plants, .50**

BALL DAHLIAS

CARL OWEN (Dahliadel 83), g e, Bloom 5 x 3½, Bush 5 ft. Rich, non-fading carmine red. Flowers good form on erect stems. A favorite of its type. **.35**

CAROLYN BALL (Berwick D. G. 85), g e, Bloom 5½ x 4, Bush 3 ft. Large, deep, evenly formed flowers on strong, erect stems. Described as a Neyron rose with mauve shadings. Unusual and appealing. A good pink to add to your collection of ball dahlias for exhibition. **Plants, \$1.00**

DRAUDE (Draude 80), g e, Bloom 5 x 4, Bush 4½ ft. An exceptionally good dark red of perfect form. Bush rather dwarf with nodes close. Stems are normally erect and of good length when disbudded. **.25**

JAYSEEDEE (Draude 86), g e, Bloom 4½ x 3½, Bush 4½ ft. A beautiful ball-shaped dahlia of soft reddish violet striped and speckled rich red. Bush compact, but fine stems can be produced by disbudding. A winner on the exhibition table. **Plants, .50**

MARY HELEN (Alling 85), g e, Bloom 4½ x 3½, Bush 5 ft. A welcome addition in this type. Color, deep canary yellow. The plants are vigorous and produce quantities of well-formed blooms on good stems. Very desirable for exhibition. **Roots, .75; Plants, .50**

MRS. C. D. ANDERSON (85), g e, Bloom 5 x 3½, Bush 4½ ft. A rosy magenta ball of good size with strong stems. Bush growth is excellent and we recommend this variety for cutting. Its perfect form makes it a winner on the exhibition table. **Roots, .50; Plants, .50**

This catalog goes into forty foreign countries, and we have shipped Potash-Fed Dahlias into nineteen of these where they have made a host of friends.

With the reduction of prices, we are continuing our Free Root Offer and unusual values in Collections. See pages 44 and 45.



Peony Dahlias

Dahliadel Glory



Ball Dahlias

Jayseedee



Buttercup (Dahliadel)

ORCHID FLOWERING DAHLIAS

This type of dahlia is one of the most interesting and is popular for landscape effects, gardens, table arrangements and dainty decorations. The bushes are compact, free branching, and exceedingly prolific bloomers. Most of the flowers are 4 to 5 inches in diameter, and bushes are 2 to 3 feet in height. They do wonderfully well when pinched out for landscape effect, but should not be thinned out nor disbudded. If orchid flowering or single dahlias are cut before the pollen shows, they will hold their petals and keep for days.

BUTTERCUP (Dahliadel 88), g e, Bloom 4 inches, Bush 2 ft. A fine addition to the orchid family and ideal for garden or landscape as the bush is a healthy grower, low branching, and full of perfectly formed, graceful flowers from early in July until frost. Stems are strong and erect and flowers will keep for days when used in arrangements for which they are very artistic and dainty. Color light buttercup or lemon yellow. **Roots, \$1.00; Plants, .50**

GENERAL COLLECTION

BEAVER. Deep crimson carmine with white shadings on face of petals.

CITRONELLA. Clear canary yellow ground with crimson carmine reverse. A charming flower.

EVEREST. Pure white throughout. Long, graceful, recurving florets. Good size.

MAVIS. Light lilac ground, with deep, reddish purple reverse.

POLLY. Sunflower yellow ground. Carmine lake reverse.

RUBY. Light ground shaded with Tyrian rose. Deep Tyrian rose reverse.

STARFISH. Pale lilac ground, suffused Tyrian rose, with deep, rosy magenta reverse.

Roots, .50; Plants, .35

Collection of 1 each of above 8 varieties, including Buttercup. **Roots, \$3.00; Plants, \$2.00**

NEW ORCHID FLOWERING DAHLIA for 1935

VESPER (Dahliadel 86), Orchid, 1935, (#34-14), Bloom 4½ to 5, Bush 3 ft. Buttercup, last year's introduction, has been wonderful wherever grown, and this variety is just as perfect in every way. Its color is white heavily suffused Tyrian rose. The stems are long and erect and the bush compact. Very showy for landscape work and arrangements. An early and a profuse bloomer. **Plants, \$1.00**

DAHLIA SEED

Sow in flats or frames in early spring in light soil, cover the seed not more than one-fourth inch about the same as you would tomatoes, when first pair of leaves are well developed transplant into small pots or flats and grow in cool temperature until they can be planted in the garden. Should they get too large, pinch back and shift to larger pots or replant in flats giving them more room.

DAHLIA SEEDLINGS in general do not come true to their parentage, but do usually show some resemblance either in form, color or bush growth. Do not expect to grow seedlings of a named variety and produce the same variety.

DOUBLE MIXED SEED. We regret that we are unable to offer our own Jersey grown seed of the large flowering varieties owing to a wet season. We can, however, heartily recommend the California Double Mixed Seed listed below as it is made up of varieties known to us as good seed bearing parents and we think so much of it that we will grow a large quantity of it ourselves.

CALIFORNIA DOUBLE MIXED SEED. A very fine selection of California grown seed which proved very satisfactory last season.

35 Seed, \$1.00; 100 Seed, \$2.50

BABY ROYAL MINIATURE SEED. Seed of this variety usually produces dwarf bushes with blooms mostly light colored.

25 Seed, .50

PINK PEARL MINIATURE SEED. Seed of this variety usually produces dwarf bushes of light pink, open center types predominating.

25 Seed, .50

DOUBLE MIXED MINIATURE SEED. This mixture is made up of seed of named miniature varieties.

25 Seed, .50

DAHLIADEL SPECIAL MINIATURE SEED.

This is the finest strain of seed we have ever grown, as it produces a large percentage of full-centered flowers and holds consistently to the miniature types.

25 Seed, \$1.00

ORCHID FLOWERING SEED produces orchid flowering dahlias consistently for us, with some type and considerable color variations.

35 Seed, .50; 100 Seed, \$1.00

SINGLE SEED will produce a great number of seedlings true to type and can be used very satisfactorily for a mass of mixed colors. They should be planted close for this effect.

50 Seed, .40

COLLARETTE SEED (mixed) saved from the five collarette varieties listed on Page 42, in mixture.

35 Seed, .50; 100 Seed, \$1.00

POMPOM SEED saved from our best pompom varieties. This will give you a large percentage of pompom dahlias.

35 Seed, .40



PINK PEARL AND TINY

CULTURE—Miniature dahlias need no disbudding, very little, if any, pruning and can be planted closer than the larger varieties for landscaping. They should not be heavily fertilized or overwatered, but grown rather poor the same as pom pons.

These miniature types are especially adaptable to use in the home, and are attractive in landscape work such as borders, hedges, or for mass plantings, and a few of the real dwarf varieties are suitable and effective in rock gardens.

Varieties marked "c" in the descriptions are the best for florists' use and will become very popular as soon as they are discovered by the trade.

MINIATURE PEONY AND DUPLEX DAHLIAS

BISHOP OF LANDAFF, M. Du., c g e, Bloom 3 x 1½, Bush 4 ft. This is an unusual and attractive flower, petals being bright scarlet with a center of deep garnet. Foliage is lacy of a reddish bronze color. Wonderful for landscape effects and home arrangements. **Roots, .50; Plants, .50**

CHEAL'S PINK, M. Du., g e, Bloom 3 x 1½, Bush 3 ft. Blooms are semi-double, usually with five rows of petals. Very free flowering. Color is deep violet rose, daintily tipped white. **Roots, .50; Plants, .50**

JUDITH, M. Du., c g e, Bloom 3, Bush 4 ft. Soft cardinal. This is an early, free blooming variety on nice slender stems. Pretty in the garden or for arrangements. Blooms usually have three rows of petals. **.35**

LILLIAN COURTNEY-PAGE, M. P, c g e, Bloom 3 x 1, Bush 3½ ft. Bloom is scarlet orange, making a bright spot in the garden. It is a strong grower and has good stems for cutting. **Roots, .75; Plants, .50**

MAC, M. Du., g e, Bloom 4, Bush 3 ft. A very pretty autumn combination of coppery orange shading to salmon at tips. **.35**

MURIEL, M. D, g e, Bloom 4 x 2, Bush 4 ft. Old rose, center of each petal striped apricot. Flowers have full centers and are held on excellent stems. **.50**

PINK PEARL, M. P, c g e, Bloom 2½, Bush 1½ ft. Lovely rose pink, showing a golden eye. Petals curl and twist like an aster. The low compact bushes make it very desirable in landscape or rock garden planting. **Roots, \$1.00; Plants, .50**

RAIDER, M. P, c g e, Bloom 3 x 1½, Bush 2½ ft. Soft violet rose suffused yellow at base of petals, which are pointed and twist and curl in a charming manner. A robust grower. Stems are graceful. **Roots, .50; Plants, .50**

RHODA, M. Du., g e, Bloom 3½, Bush 2 ft. Buttercup yellow shaded russet orange. Useful for low effects in landscape planting. Continuous bloomer throughout the season. **.50**

RUTH McGREDY, M. Du., g e, Bloom 3½, Bush 2½ ft. Tyrian pink with carmine shadings at center of petal. This novel color combination, although unusual, is very pleasing. Growing habits ideal. **.50**

TINY, M. P, g e, Bloom 3, Bush 1½ ft. The dwarf symmetrical bush and free blooming qualities, along with its bright coloring and artistic and airy formation, make it one of the most desirable for low landscape effects and rock garden planting. Color, yellow base suffused apricot. Beautiful for arrangements. **Roots, \$1.00; Plants, .50**

MERCKI, M. S., g, Bloom 1, Bush 1 ft. This novel low-growing variety is interesting and useful for borders and garden planting. Its richly colored, fern-like foliage may be used effectively as fern or other foliage in artistic arrangements of all smaller dahlias. The blooms are secondary of pale lavender with purple centers. **Roots, .50; Plants, .35**

CLASSIFICATION OF DAHLIAS

We are omitting the classification of the dahlia this year, owing partly to lack of space and also to the fact that we are making some drastic changes which will not be authorized in time to be published here. We will gladly send on request a copy of the old classification and hope to have copies of the new one available as soon as published by the American Dahlia Society.



Miniature Cactus and Semi-Cactus Dahlias



Jean

MINIATURE SEMI-CACTUS OR INFORMAL DECORATIVE DAHLIAS

AGALIA, c g e, Bloom $3\frac{1}{2} \times 1$, Bush 2 ft. Soft apricot with rosy scarlet shadings. Compact grower, making it desirable for border planting as well as cutting. Stems erect. Centers full.

Roots, \$1.00; Plants, .50

BABY BUNTING (Dahliadel 83), 1934, c g e, Bloom 4×2 , Bush $4\frac{1}{2}$ ft. A combination of violet rose shading to golden yellow at base of petals. Flowers are very artistic with pointed, wavy petals, holding a full center most of the season. Colorful in the garden and fine for cutting.

Roots, \$1.00; Plants, .50

BABY ROYAL (West 86), c g e, Bloom 3×2 , Bush 3 ft. A gem for any garden of salmon pink shaded apricot with yellow at base of petal. Winner of several awards as best foreign dahlia.

Roots, \$1.50; Plants, .75

MINIATURE CACTUS and SEMI-CACTUS DAHLIAS

COMRADE (83), c g e, Bloom $4 \times 1\frac{1}{2}$, Bush $4\frac{1}{2}$ ft. A pleasing garden variety of a delicate violet rose with flesh shadings supplying a neutral tone suitable for arrangements with brighter colors. Low branching habit with good stems and very prolific.

.50

GAILLARD (80), c g e, Bloom 4×1 , Bush 3 ft.

This attractive bright red of perfect form was very popular in our gardens. Good stems, habit of growth and a compact bush. A red that will grace any garden.

Roots, .50; Plants, .50

KITTY BELLAIR, c g e, Bloom $3\frac{1}{2} \times 1$, Bush 4 ft. Its perfect form, free flowering and robust growing habits make this dahlia very desirable. Color is rich amaranth red.

Roots, .75; Plants, .50

MINIATURE SEMI-CACTUS OR INFORMAL DECORATIVE DAHLIAS (Continued)

BABY STAR (Dahliadel 86C), 1935, (#34-15), c g e, Bloom 4×2 , Bush 5 ft. A typical florist's dahlia of white, faintly suffused pale lilac. By dis-budding, flowers grow 5 to 6 inches. An incessant bloomer on long, erect stems. Blooms resemble a star in form and are waxy in appearance with full high centers. Much more artistic for arrangements or florist's use than other varieties similar in color being used today.

Plants, \$1.00

JEAN (Dahliadel 85), 1934, c g e, Bloom $3\frac{1}{2} \times 2$, Bush $3\frac{1}{2}$ ft. One of the most artistic little Informal Decorative or Semi-Cactus dahlias we have ever grown. Color apricot buff, suffused soft lilac rose. Bush strong, and a compact grower. A beautiful dahlia, similar to the larger flowered variety, California Beauty. A free, early bloomer, and very satisfactory. You can cut bouquets from one bush two or three times a week from the middle of August until frost.

Roots, \$1.50; Plants, .75

NESTHAKCHEN (Engelhardt 85), c g e, Bloom 4×2 , Bush $2\frac{1}{2}$ ft. Color, buff suffused soft lilac. An artistic Miniature where pastel shades are desired. Free flowering and good growing habits.

Plants, .50

SANHICAN'S SWEETHEART (F. & M. 85), c g e, Bloom $3\frac{1}{2} \times 2$, Bush 2 ft. An artistic and useful novelty. Color, ochreous buff, suffused rose red which is a fine companion for Baby Royal. Low growing bushes always covered with blooms.

Roots, .75; Plants, .50

MINIATURE INFORMAL DECORATIVE DAHLIA New for 1935

RAPTURE (Dahliadel 87), 1935, (#34-5), c g e, Bloom $3 \times 1\frac{1}{2}$, Bush $4\frac{1}{2}$ ft. A very artistic Informal Decorative which is a quick, robust grower with excellent stems, making each bush a bouquet of itself in the garden. When allowed to branch will produce almost hundreds of blooms of miniature size, but disbudded should produce blooms 5 inches. Keeps well when cut. Color, rose pink shading to sulphur yellow at center with a gold suffusion.

Plants, \$1.00



MINIATURE FORMAL DECORATIVE DAHLIAS

MIRTH (Nuneviller-Dahliadel 85), 1935, c g e, Bloom 3 x 2, Bush 4½ ft. A lively orange scarlet of an even color that does not fade. A shade that appeals to the ladies. Normally, this flower grows small enough to keep well under the 3½-inch mark with centers always full. Bush is healthy and rugged, stems long and erect. This variety should become popular on the show table as it is always uniform in size, form and color. **Plants, \$1.00**

BABY BEAUTY (Dahliadel 87), 1934, c g e, Bloom 3½ x 2, Bush 5½ ft. As the name implies, this is a small Jersey's Beauty on strong, erect stems, possessing all the good qualities of the variety it so closely resembles with better branching habits. Color, violet rose, shaded bright rose pink. This dahlia will make a hit in any flower shop.

Roots, \$1.50; Plants, .75

BLUEBIRD (Peck 84), g e, Bloom 3½ x 2½, Bush 3½ ft. This dahlia is unique and different in its coloring, being the nearest to blue in the small dahlias. Color is bluish lavender.

Roots, .50; Plants, .50

CAMELLIA (84), c g, Bloom 3 x 1, Bush 2½ ft. Bright orange flame; centers usually full. The brilliant color and good keeping qualities make this one of the best miniatures for cutting.

Roots, .50; Plants, .50

CORONNE, c g e, Bloom 3 x 1½, Bush 2 ft. This unique Miniature resembles a gardenia and is the best white we have seen. Stems and foliage are excellent.

Plants, .50

FAIRY (Dayton D. G.), c g e. This miniature Jersey's Beauty won in the Miniature Class at the Mid-West Show in Grand Rapids and was very popular with the few who grew it last season. Good growing habits and very prolific. Sure to please.

Plants, \$1.00

GOLDINA (Schone 83), c g e, Bloom 4 x 2, Bush 3 ft. A fine, uniform variety for cutting. A beautiful mallow pink with strong, erect stems. Bush is a good, healthy grower. Good keeping qualities should make it a great favorite.

Roots, .50; Plants, .50

JERRY (Dahliadel 84), 1934, c g e, Bloom 3½ x 2, Bush 4½ ft. Color, coral red, lightly suffused carmine. Bright and showy, and very effective in landscape or arrangements with the autumn shades, but not very good with pinks. A strong grower, prolific, blooms early, and good until frost.

Roots, \$1.00; Plants, .50

KENTUCKY BABE (Dahliadel 85), 1934, c g e, Bloom 3 x 2, Bush 5½ ft. The resemblance of this dahlia to Kentucky prompted the name. One of the best of our Miniatures, and its wonderful commercial qualities already assure its popularity and desirability for use as a cut flower. Color, salmon suffused and edged old rose.

Roots, \$1.50; Plants, .75

LITTLE JEWEL, c g e, Bloom 2 x 1, Bush 3 ft. This is one of the original, full centered pink Miniatures. It blooms freely in light soil. We recommend using ashes when grown in heavy soil. **.35**



Rapture, Informal Decorative



Baby Beauty, Kentucky Babe and Paddy

PADDY (Dahliadel 84), 1934, c g e, Bloom 2½ x 1½, Bush 3 ft. One of the most incessant blooming dahlias we grow. Bushes are literally covered with blooms from early season until frost with centers full to the end. Color, flesh ground, heavily suffused deep rose pink. A dahlia that can be arranged equally well with pink or autumn shades. No disbudding needed. **Roots, \$1.00; Plants, .50**

RED HEAD (Peck 86), c g e, Bloom 2 x 1½, Bush 3 ft. A dahlia which is pleasing in appearance, and a fine keeper. Color, scarlet orange, with blooms facing up on nice stems.

Roots, .50; Plants, .50

SKIPPY (Dahliadel 85), 1933, c g e, Bloom 3 x 1, Bush 4 ft. This attractive little flower is white, tipped crimson carmine, with Tyrian rose shadings. Full centers, long erect stems, and profuse bloomer. A. D. S. Certificate. **Roots, .75; Plants, .50**

TEDDY JOHNSON, M. B., c g e, Bloom 3½ x 1½, Bush 3 ft. White suffused and tipped Tyrian rose. On good stems. Blooms uniform. **.35**

TRICOLOR, c g e, Bloom 3 x 1, Bush 4 ft. Similar in every way to Skippy except that the color is yellow, tipped and shaded cardinal, with yellow petaloids. **Roots, .50; Plants, .50**



Anemone. Single. Collarette.

ANEMONE DAHLIAS

ADA FINCH (Wouters 83), g, Bloom 3½, Bush 2½ ft. A fine bedding or border dahlia; free, early and profuse. This creamy white flower differs from the Century type by having small quilled petals of the same color covering the entire center.

Plants, .50

COLLARETTE DAHLIAS

ERICA (Ballego 85), g e, Bloom 4½, Bush 3 ft. Deep amaranth red, almost black. Collars of same tone with white tips. Unusual and striking for floral arrangements.

Plants, .50

FILLE (85), c g e, Bloom 5, Bush 4 ft. A most attractive Collarette. Bright yellow with self colored collar. Fine stems, and outstanding as a good keeper in the garden or in the show room.

Plants, .50

GEANT DE LYON (Vilmore 86), g e, Bloom 5, Bush 4 ft. Rich, velvety carmine maroon, with long cream-color collar. Free, early flowering on erect stems. The prettiest of all Collarette dahlias.

Plants, .50

MITZI (Dahliadel 85), 1934, g e, Bloom 4½, Bush 4 ft. A seedling of Geant de Lyon that is very unique and showy. Color, crimson carmine shading to primrose yellow at center and edged white. Bushes branch and bloom freely, stems erect. Flowers keep well on bush or when cut. A robust grower.

Roots, \$1.50; Plants, .75

SOFA (Vilmore 85), g e, Bloom 3, Bush 2 ft. Soft scarlet with pale lemon collar. Its strong bushes and profuse blooming qualities make this striking variety very desirable for landscape effects and arrangements.

Plants, .50

SINGLE DAHLIAS

AUTUMN CENTURY (Bassett 76), g, Bloom 4½, Bush 5 ft. A beautiful autumn tint, delicate madder lake, shading yellow at center.

.25

DAHLIADEL CENTURY (Dahliadel 80), g, Bloom 5, Bush 5 ft. It is all that can be asked for in a white Single dahlia. Its size, form, habit of growth, productiveness and clear, pure white color put it far ahead of anything else.

.25

DORIS, c g e, Bloom 4, Bush 4 ft. Deep velvety carmine, heavily tipped pure white. A truly spectacular color combination. Bushes are semi-compact, making a nice appearance in the garden. Growing habits and stems ideal.

.25

GARNET POINSETTIA (Peacock 84), g e, Bloom 7, Bush 6 ft. Rich, glowing garnet with a brilliant, glistening sheen. Large blooms of poinsettia form are held on long, stiff stems on strong plants, producing profusely.

.25

GLORIA (Dahliadel 85), 1933, c g e, Bloom 5, Bush 5 ft. This fine Single has healthy bush growth, erect stems, uniformity of bloom and bright scarlet color.

.50

JAMES WELLER (Peacock 82), g e, Bloom 6, Bush 5½ ft. Effective because of its color combination of rich golden yellow with central zone of each petal soft rosy red. Large, well-formed blooms are held erect on long, stiff stems. Early and continuous blooms.

.35

DAHLIADEL NURSERIES



LOIS (Dahliadel 85), 1933, c g e, Bloom 5, Bush 5 ft. This charming pink Single attracts much attention and is one of the best keeping of its type. The deep golden yellow center adds much to the beauty of the flower. Stems are ideal, both in the garden and for decoration.

.50

NEWPORT WONDER (Robertson 84), g, Bloom 6, Bush 5½ ft. A very popular and artistic dahlia. Petals pointed and slightly twisted. Color, rose pink with a gold suffusion.

Roots, .35; Plants, .35

PURITY (Peacock 84), g e, Bloom 7, Bush 6 ft. Pure white, perfectly formed, on long, stiff stems. Petals are broad and heavy and slightly recurved. A good grower and bloomer.

.35

SCARLET CENTURY (Peacock 80), g e, Bloom 5, Bush 5 ft. Bright, glowing scarlet on erect stems. Good grower, free bloomer, with petals evenly placed.

.35

TANGO (Dahliadel 79), g, Bloom 5½, Bush 6 ft. A lively autumn tint, cadmium yellow, shaded scarlet orange.

.25

YELLOW BIRD (Dahliadel 85), 1934, c g e, Bloom 6, Bush 3½ ft. A bright, clear lemon yellow Single dahlia of good keeping qualities is needed in our collection, and this spectacular yellow is a fine addition as it is useful in decorations as well as showy in the garden. Petals are uniform and of good substance and the blooms which are held erect face partially upward.

Roots, \$1.00; Plants, .50



Jack

JACK (Dahliadel 89), 1934, c g e, Bloom 1½ x 1¼, Bush 2½ ft. Color, purple garnet. Won 1st in the Seedling Class, New York, 1933. Compact, low-growing, symmetrical bush of dark green, suppling tone and richness among light flowers. Blooms perfectly formed throughout the season, and an incessant bloomer. Reminds one of Johnny but has a better bush and stronger stems. Scored 87.5 at East Lansing, Mich., in 1934.

Roots, \$1.00; Plants, .50



Bob White

Collection A 6 Pompons

Mickey

POMPON DAHLIAS

AIMEE (Boston 84), c g e, Bloom $1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. A popular tiny orange cadmium shaded apricot, on long stems. .25

ATOM (Edymel 86), c g e, Bloom $1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. One of the best early and profuse bloomers of perfect form. Color, fiery red. .35

BOB WHITE (Dahliadel 85), c g e, Bloom $1\frac{1}{2}$, Bush 2 ft. Milk white, having just a cast of yellow when opening. Bush is low and spreading, with blooms on long stems. Ideal for bedding as well as the right form for exhibiting. Note picture above. .25

BRONZE BEAUTY (78), c g, Bloom $1\frac{3}{4}$, Bush 3 ft. Beautiful golden apricot. A free bloomer, good for cutting. .25

DARKSOME (Alexander 80), g e, Bloom $1\frac{3}{4}$, Bush $4\frac{1}{2}$ ft. Dark red or maroon on long stems. .25

DEE DEE (Estes 85), c g e, Bloom $1\frac{1}{4}$, Bush $3\frac{1}{2}$ ft. Pale lilac. Fine for exhibition. Centers are full with stems long and erect. .25

DOT (Dahliadel 86), c g e, Bloom $1\frac{1}{2}$, Bush $3\frac{1}{2}$ ft. A pure white Pom on perfect stems. A strong grower and an early bloomer. As a cut flower for decorating or in the garden, Dot is the best white Pompon so far introduced. .35

ELIZABETH (82), c g e, Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Lemon yellow, heavily tipped carmine. Fine form and good stems. .25

EUREKA (82), g e, Bloom $1\frac{3}{4}$, Bush $3\frac{1}{2}$ ft. Yellow cadmium with carmine shadings at tips, with occasional white petals. Some flowers all-white. Can be rightly called variegated. .25

GOLDILOCKS (Seal 85), c g e, Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Gold deepening at center. Flowers well formed with full centers. Good for exhibiting and cutting. .35

HELEN ANITA (86), c g e, Bloom $1\frac{3}{4}$, Bush $2\frac{1}{2}$. A beautiful lilac with a lighter reverse and white center. Very attractive and good for cutting. .35

HONEY (Farnum-F. & M. 86), c g e, Bloom $1\frac{1}{4}$, Bush 3 ft. Primrose yellow with faint suffusion of red on edge of petals. Free flowering on long stems. .50

JESSICA (Turner 83), c g e, Bloom $1\frac{1}{2}$, Bush 3 ft. Yellow, tipped red. Very free and early bloomer with good stems. .25

JILL (Dahliadel 85), 1934, c g e, Bloom $1\frac{1}{2}$ x 1, Bush $1\frac{1}{2}$ ft. Color, lemon yellow margined carmine. A bright, colorful variety that is a suitable garden companion for Jack. Blooms small and uniform. Bush also dwarf, suitable for landscape effect and borders, although the stems are plenty long enough for cutting and arrangements.

Roots, \$1.00; Plants, .50

JOHNNY (88), g e, Bloom $1\frac{1}{4}$, Bush 3 ft. One of the most perfect and smallest dark red or maroon dahlia grown. .35

LITTLE DAVID (Twitchett 85), c g e, Bloom $1\frac{1}{2}$, Bush 3 ft. A small, perfectly formed russet orange pom. Free bloomer and fine for cutting and exhibiting. .25

LITTLE EDITH (88), c g e, Bloom $1\frac{1}{4}$, Bush $3\frac{1}{2}$ ft. As perfect a Pom as you can wish for, either in the garden or show room. Color, primrose yellow, tipped bright carmine. .25

MICKEY (Dahliadel 86), 1933, c g e, Bloom $1\frac{3}{4}$, Bush $2\frac{1}{2}$ ft. This dahlia produces suitable length stems for cutting even though the bush is dwarf and compact, making it especially desirable for border planting. Color is yellow heavily tipped and shaded crimson. Uniform blooms, centers full. .50

Plants, .50

MIDGET (West 80), c g e, Bloom $1\frac{1}{2}$, Bush 3 ft. Salmon suffused with violet. Good form. .35

MIKE (Boston 84), c g e, Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Color, bright burnt orange, shading lighter at the outer petals. Attractive, and a profuse bloomer. .25

ROSEA (Keynes 84), c g e, Bloom $1\frac{3}{4}$, Bush $2\frac{1}{2}$ ft. Perfect form for exhibition. Rosy lavender. Small and distinctive. .35

SNOWCLAD (78), c g e, Bloom $1\frac{1}{2}$, Bush 3 ft. One of the best all-around pure whites. Free, early bloomer. .25

SUNNY DAYBREAK (Keynes 85), c g e, Bloom $1\frac{1}{2}$, Bush 3 ft. Lemon yellow, heavily tipped cardinal. Flowers of good form. .25

YELLOW GEM (McWhirter 84), c g e, Bloom $1\frac{1}{2}$, Bush 3 ft. Clear canary yellow, of fine form. .25



FREE ROOT OFFER

On retail orders for dahlia roots and plants from this catalog, except collections and special offers, you may select complimentary roots as follows: On each dollar you are allowed 25c toward any variety listed below. For example, on an order of \$6.00 worth of roots or plants you may select \$1.50 worth from the following list free, or a \$2.00 variety by paying 50c additional. Double value is not allowed when selecting free roots. Mention second choice as season advances, whether buying from this page or taking advantage of free offer, as stock of some varieties is limited.

VARIETIES FOR FREE ROOT OFFER

Casper G. Ware.....	.35	Myra Howard.....	2.50
Chick .....	.75	The Commodore.....	1.50
Clansman .....	.25	The Lemonade.....	.50
Early Yellow .....	.35	POMPONS	
Emanuel's Beauty....	.75	Bob White.....	.25
Ida Perkins.....	.50	Eureka .....	.25
Josephine G.....	.75	Little Edith.....	.25
Meadowbrook	1.50	MINIATURE	
Mr. C. H. Dresselhuys	.25	Raider .....	.50

ODD LOTS

SPECIAL OFFER

In the testing of hundreds of varieties each year, we have considerable stock, that we feel might be of use to our customers, of varieties that are good in some sections of the country and possibly temperamental in others. Some like light soil, others heavy, and so on. Some of these dahlias you may have seen doing very well in your particular locality. Other varieties are listed here because of limited stock.

WHEN BUYING FROM ODD LOTS you may select double value. For example, when ordering a \$1.00 variety, you may select another of equal value free. A \$1.00 variety will not be sold for 50c. This offer applies only to varieties listed under "Odd Lots."

AVALON (Broomall 80), **FD, g e, Bloom 7 x 3, Bush 5 ft.** Color, clear canary yellow. Centers full. Long, erect stems under normal culture. .25

CITY OF NEW YORK (Harding 84), **S-C, g e, Bloom 10 x 5, Bush 4 1/2 ft.** Color, pale golden amber at center, softly overshaded light salmon passing to a rich salmon rose on the edges of the petals. This unusual coloring, along with its graceful form, good keeping qualities, and growing habits make it very desirable. .75

ELITE GEM (Kennedy 84), **S-C, c g e, Bloom 7 x 3, Bush 4 ft.** The excellent keeping qualities and strong, erect stems make this flower splendid for cutting. Color is lemon chrome, suffused and shaded Tyrian rose with Tyrian rose reverse. A strong grower with fern-like foliage. Blooms freely and continuously. .50

GOLD IMPERIAL (Hall 82), **ID, g e, Bloom 8 x 3, Bush 3 ft.** Color, gold with just a tint of lavender on reverse. Petals heavy with a waxy appearance. Deep graceful flowers with high, perfect centers. A vigorous grower. .75

INDIANA MOON (Martin 83), **ID, g e, Bloom 11 x 5, Bush 6 ft.** A richly colored flower of soft cadmium orange with lines and suffusion of carmine. This huge dahlia is easy to grow as it is robust and healthy. The stems are strong and erect. \$1.00

JACK O'LANTERN (Success 80), **ID, g e, Bloom 9 x 3, Bush 5 1/2 ft.** A brilliant orange-red, shading to a dark Spanish red near the center. The petals are wide and twisted with center petals tipped with gold. A good garden variety. .50

J. D. TORBERT (Eastman 84), **ID, c g, Bloom 8 x 4 1/2, Bush 6 ft.** This fine variety will produce

a quantity of medium-sized blooms on long, wiry stems, making it admirable for garden or for cut flowers. Color, a combination of salmon apricot with flame and gold shadings. A. D. S. Certificate, 1930. .50

KALIF (G. & K. 83), **S-C, g e, Bloom 8 x 4, Bush 5 ft.** Color, rich strawberry red or carmine. An old favorite and good for cutting. Flowers are held on strong stems. .35

LA MEXICANA (F. & M. 83), **S-C, g, Bloom 8 x 4, Bush 4 1/2 ft.** Color is a pleasing blending of burnt orange and copper shaded with gold. Loose and airy formation. Blooms early and profusely on slender stiff stems. .50

MARDI GRAS (Diggle 80), **FD, g e, Bloom 9 x 4, Bush 7 ft.** A bold flower of bright violet purple. Blooms are held on long stems well above the foliage. Bush tall and rugged and stands good culture. .75

MRS. KENYON (Harding 83), **ID, g e, Bloom 9 x 4, Bush 4 1/2 ft.** A dahlia you will be pleased with, as it is a rich salmon to peach pink, shading to orchid at the tips. It is a strong, healthy grower with leathery foliage. Flowers held facing partially upward on strong stems. .50

OLIVE WRIGHT (V. & M. 84), **ID, g e, Bloom 10 x 5, Bush 5 ft.** Large and striking, rather loose formation of broad petals. A strong grower with long stems. Color buff shaded and suffused coral red. \$1.00

PANSY G. WHITE (White 81), **S-C, g e, Bloom 8 x 3, Bush 6 1/2 ft.** A strong, rugged bush, especially so for a yellow dahlia, with long, erect stems. Blooms are uniform and of good substance. Color, clear canary yellow. .75

ROBT. TREAT (Muehler 80), **FD, g e, Bloom 9 x 4, Bush 5 1/2 ft.** This dahlia is similar in color to the American Beauty Rose. Plants are strong, healthy growers of spreading habit. Flowers produced freely on long, erect stems. .50

SEAL'S CALIFORNIAN (Seal 82), **FD, g e, Bloom 9 1/2 x 5, Bush 3 1/2 ft.** Broad petals, are beautifully formed. Bright golden yellow at center, shading lighter toward outer petals; tips are suffused very lightly with soft pink. Stems strong and erect. .50

TARRYTOWN (McDonald 83), **ID, g e, Bloom 10 x 4, Bush 5 ft.** Deep gold with mauve and bronze shadings, of rather loose, irregular formation with broad, heavy petals. Stems strong and erect. .75



GUARANTEE

All dahlia roots and plants are guaranteed healthy and true to name to the extent of replacement with true stock. Roots that fail to start in three weeks will be replaced upon their return. POTASH FED DAHLIAS give such universal satisfaction that we guarantee this year's Dahliadel Introductions to prove entirely satisfactory to the extent of replacement with the same variety or one of any other of equal value from the following season's catalog. Satisfaction and safe delivery guaranteed.

CANADIAN CUSTOMERS

Please obtain your special permit from Secretary, Department of Agriculture, Ottawa, Ont., when ordering dahlias, as we must have the permit mentioned before we can ship your order. This catalog will be mailed free to customers in Canada. Catalog requests should be accompanied by 25c. Canadian postage stamps accepted.

GREEN PLANTS

Dahliadel plants are sprouts or cuttings taken from stock of named varieties, grown in specially built greenhouses, rooted in sand benches in a propagating house, potted and grown inside until established, then moved to cold frames for hardening off, ready for shipping and field planting.

The popularity of Dahliadel green plants is growing fast, and we suggest that you give them a trial on your next order if you are buying the higher-priced varieties, as plants are one-half root price in most cases. Green plants, when properly grown from healthy stock, give equal or better blooms than from roots, and most varieties make a nice clump. The way the plant is grown has a lot to do with root production, but we believe by following our cultural instructions you will have roots as well as blooms.

Dahliadel green plants are properly grown and hardened for shipment and in our specially designed shipping box have been successfully sent all over the United States.

DAHLIADEL COLLECTIONS

POSITIVELY NO CHANGES IN COLLECTIONS

COLLECTION A—SIX POMPONS

Value \$1.50

ROOTS \$1.00

Bob White
Eureka
Little Edith

Mike
Sunny Daybreak
Yellow Gem

COLLECTION B—SIX GIANT DAHLIAS

Value \$2.05

ROOTS \$1.00

Avalon
Cong. Wolverton
Fordhook Emperor

Jane Hall
Jersey's Beauty
Margaret W. Wilson

COLLECTION BS—BEGINNERS' SURPRISE

Value \$6.00 to \$8.00

ROOTS \$2.00

12 named roots tagged, all different. A good assortment of colors and types. Large flowering varieties only. This collection gains in popularity each year as finer varieties are used in it.

COLLECTION C—SIX CACTUS DAHLIAS

Value \$3.35

ROOTS \$2.00

Edna Ferber
Ella May
Emma Marie

Golden Sonne
Lilac Glory
Minnie Eastman

COLLECTION D—EIGHT EXHIBITION

DAHLIAS. ROOTS \$2.00

Value \$4.10

City of Trenton
Derrill W. Hart
Ida Perkins
Jersey's Beacon

Kemp's Violet Wonder
Kentucky
Penn Charter
The World

COLLECTION E—EIGHT BLUE RIBBON

DAHLIAS. ROOTS \$4.00

Value \$6.50

Bagdad
Emanuel's Beauty
Jim Moore
Josephine G

Kathleen Norris
Monmouth Champion
Omar Khayyam
W. H. T.

COLLECTION F—SIX PRIZE DAHLIAS

Value \$12.00

ROOTS \$7.50

Andrea Ericson
Dwight W. Morrow
Elinor M. Radell

Girl of Hillcrest
Maryland Glory
Myra Howard

PLANT COLLECTIONS

COLLECTION G—EIGHT BLUE RIBBON

DAHLIAS. PLANTS \$2.50

Value \$4.00

Bagdad
Emanuel's Beauty
Jim Moore
Josephine G

Kathleen Norris
Monmouth Champion
Omar Khayyam
W. H. T.

COLLECTION H—SIX PRIZE DAHLIAS

Value \$6.00

PLANTS \$4.00

Andrea Ericson
Dwight W. Morrow
Elinor M. Radell

Girl of Hillcrest
Maryland Glory
Myra Howard

COLLECTION J—FOUR WONDERFUL

DAHLIAS. PLANTS \$6.00

Value \$8.75

Clara Barton
Palo Alto

Robert Emmet
Sanhican's Cameo

INDEX

ABBREVIATIONS USED IN INDEX.—A—Anemone. B—Ball. Coll—Collarette. C—Cactus, Incurved or Straight. S-C—Semi-Cactus. Du—Duplex. FD—Formal Decorative. ID—Informal Decorative. M—Miniature. P—Peony Pom—Pompon. S—Single. O—Orchid Flowering.

NOTICE. The key letter just ahead of the price is our recommendation of the system to use in topping and disbudding for each variety listed. Drawings and explanation will be found on pages 26 and 27.

Page		Roots	Plants	Page		Roots	Plants
18	Achievement—ID.....X	\$1.50	\$0.75	12	Frau O. Bracht—S-C.....X	1.50	.75
42	Ada Finch—A.....V	.....	.50	33	Frazier—FD.....X	1.00	.50
12	Adda Patterson—S-C.....X	.50	.....	11	Friedensengel—C.....X	.75	.50
8	Adirondack Sunset—ID.....X	.....	5.00	19	Full Moon—ID.....X—Z	3.00	1.50
13	Aiko—S-C.....X	2.00	1.00	10	F. W. Fellows—C.....Z	.75	.50
16	Alice in Wonderland—ID.....X	3.00	1.50	42	Garnet Poinsettia—S.....V	.25	.....
20	Alice Stellick—ID.....X	1.00	.50	42	Geant de Lyon—Coll.....V	.....	.50
14	Alice Whittier—S-C.....X	.50	.....	23	Girl of Hillcrest—ID.....X	1.50	.75
34	Allen A—FD.....X	3.50	1.75	42	Gloria—S.....V	.50	.....
17	Altamont—ID.....X	.35	.....	33	Glory of Monmouth—FD.....X	.50	.....
11	Ambassador—C.....X	.75	.50	35	Golden Eclipse—FD.....X	3.00	1.50
14	Amelia Earhart—S-C.....X	.....	3.75	11	Golden Sonne—C.....X	.50	.50
18	American Legion—ID.....X	.....	1.50	8	Golden Standard—C.....X	10.00	5.00
10	American Triumph—IC.....X	.50	.....	18	Good Night—ID.....X	1.00	.50
16	Andrea Ericson—ID.....X	1.50	.75	13	Good Will—S-C.....X	5.00	2.50
6	Anna Benedict—ID.....X	10.00	5.00	15	Gov. Morgan F. Larson—S-C or ID.....X	.50	.....
8	Arela Lloyd—ID.....X	.....	5.00	34	Grace—FD.....X	.50	.50
42	Autumn Century—S.....V	.25	.....	16	Grace Curling—ID.....X	.75	.50
18	Aztec Glory—ID.....X	.75	.50	33	Graf Zeppelin—FD.....X	.75	.50
17	Bagdad—ID.....X	.75	.50	23	Grandee—ID.....X	.....	5.00
34	Ballego's Glory—FD.....X	1.00	.50		Great Harbor—ID.....X	1.50	.75
10	Ballet Girl—C.....Z	.50	.....	23	Harriet Hooter—ID.....X	1.00	.....
8	Bette Davis—S-C.....X	.....	5.00	33	Harry Mayer—FD.....X	.35	.....
	Bubbles of Hillcrest—ID.....Z	.....	2.50		Helen S. Fraser—FD.....X	.....	5.00
35	Buckeye Bride—FD.....X	.....	.50	8	Hillcrest Nugget—ID.....X	.....	5.00
8	Buckeye Queen—FD.....X	.....	5.00	10	Hollywood—C.....X	.50	.....
11	California Beauty—C.....X	.50	.50		Honor Bright—FD.....X	.....	3.00
	California Rose—ID.....X	.....	7.50	18	H. R. S.—ID.....X	.....	2.50
30	Cardinalis—FD.....X	.....	.50	8	Hunt's Velvet Wonder—ID.....X	.....	7.50
12	Carla—S-C.....X	1.50	.75	34	Ida Perkins—FD.....X	.50	.....
37	Carl Owen—B.....X	.35	.....	21	Imperial Pink—ID.....X	.....	.75
37	Carolyn Ball—B.....X	.....	1.00	19	Iroquois Sunbeam—ID.....X	.....	3.75
35	Casper G. Ware—FD.....Y	.35	.....	35	Jack's Bean Stalk—FD.....X	2.00	1.00
7	Cavalcade—FD.....X	10.00	5.00	21	James Kirby—ID.....X	2.00	1.00
31	Champoege—FD.....X	1.50	.75	42	James Weller—S.....V	.35	.....
	Chas. Stratton—ID.....X	.50	.....	20	Jane Cowl—ID.....X—Z	.50	.50
32	Chautauqua Sunset—FD.....Y	.....	2.50	33	Jane Dixon—FD.....X	3.50	1.75
	Chemar's Eureka.....X	.50	.....	33	Jane Hall—FD.....X	.25	.....
33	Chick—FD.....X	.75	.50	23	Janet Southwick—ID.....X	1.50	.75
	Chinese Lantern—ID.....X	.....	5.00	37	Jayseedee—B.....Y	.....	.50
	City of Cleveland—ID.....X	.....	5.00		Jean Kerr—FD.....X	.25	.....
	City of Royal Oak—S-C.....X	7.50	3.75	14	Jean Trimbee—S-C.....X	1.50	.75
23	City of Trenton—ID.....X	.50	.50		Jerome Kern—ID.....X	.....	2.50
20	Clansman—ID.....X	.25	.....	32	Jersey's Beacon—FD.....X	.35	.....
21	Clara Barton—ID.....X	5.00	2.50	35	Jersey's Beauty—FD.....X	.35	.35
15	Color Sergeant—S-C or ID.....X	.50	.50	23	Jersey's Daybreak—ID.....X	.75	.50
20	Cong. Wolverton—ID.....X	.50	.50	23	Jersey's Majestic—ID.....X	3.00	1.50
10	Conservatrix—IC.....X	.....	.50		Jersey's Melody—S-C.....X	1.00	.....
	Coquette—ID.....X	.50	.....	23	Jersey's Sovereign—ID.....X	.35	.....
20	Cream of the Garden—ID.....X	.50	.50	15	Jersey's Sweetheart—S-C or ID.....X	.35	.....
42	Dahliadel Century—S.....V	.25	.....	31	Jersey's Triumph—FD.....X	.75	.50
37	Dahliadel Glory—P.....X	1.00	.50		Jessica Dragonette—S-C.....X	.....	5.00
3	Dahliadel Gold—FD.....X	10.00	5.00		Jessie Crawford—ID.....X	.....	5.00
	Daily Mail—ID.....X	.....	.50	15	Jim Moore—S-C or ID.....X	.75	.50
8	Daisy Turnquist—S-C.....X	.....	3.50	15	Josephine G—S-C or ID.....X	.75	.50
2	Democracy—FD.....X	10.00	5.00	8	Judge Samuel Seabury—ID.....X	.....	5.00
22	Derrill W. Hart—ID.....X	.50	.50	11	Jugendpracht—C.....X	.75	.50
15	Dixie Ravenscroft—ID or S-C.....X	3.00	1.50	10	Kareol—IC.....X	1.00	.50
5	Dorcas Ann—S-C.....X	7.50	3.75	14	Karl Bonawitz—S-C.....X	1.50	.75
42	Doris—S.....V	.25	.....	34	Katherine Cole—FD.....X	.50	.....
20	Dorothy Duke—S-C or ID.....X	2.00	1.00	22	Kathleen Norris—ID.....X	.75	.50
22	Dorothy Stone—ID.....X	.75	.50	9	Kay Francis—S-C.....X	.....	5.00
37	Draude—B.....Y	.25	.....	22	Kemp's Violet Wonder—ID.....X	.50	.50
33	Dr. John Carman—FD.....X	.50	.50	35	Kentucky—FD.....X	.50	.35
22	Dwight W. Morrow—ID.....Y	1.50	.75	19	Kentucky Red—ID.....X	1.50	.75
20	Eagle Rock Beauty—ID.....X	.50	.....	19	King Midas—ID.....X	.75	.50
17	Eagle Rock Fantasy—ID.....X	2.00	1.00	10	Kroon Jewel—IC.....X	.50	.....
16	Early Yellow—ID or S-C.....X	.35	.....	20	Lady Lyndora—ID.....X—Y	.75	.....
32	Eastern Star—FD.....Z	.50	.....	15	Lady Moyra Ponsonby—ID.....X	.....	2.00
14	Edna Ferber—S-C.....X	.75	.50	17	La Fiesta—ID.....X	3.00	1.50
32	Edward T. Rindfleisch—FD.....Z	2.00	1.00		La Reina—ID.....X	2.00	.....
21	Elinor M. Radell—ID.....X	3.00	1.50	10	Lilac Glory—IC.....X	.75	.50
35	Elite Glory—FD.....X	.50	.50	16	Lincoln G. Dickey—S-C or ID.....X	.75	.....
4	Elite Sport—FD.....X	4.00	2.00	42	Lois—S.....V	.50	.....
23	Eliza London Shepard—ID.....Z	.75	.50	18	Long Hill—ID.....X	3.00	1.50
11	Ella May—C.....X	.50	.....	18	Lord of Autumn—ID.....X	.....	5.00
33	Emanuel's Beauty—FD.....X	.75	.50	15	Mabel S. Douglass—S-C or ID.....X	1.00	.50
15	Emma Marie—S-C or ID.....X	.35	.....	22	Man O'War—ID.....X	7.50	3.75
42	Erica—Coll.....V	.....	.50	22	Margaret W. Wilson—ID.....X	.35	.....
42	Fille—Coll.....V	.....	.50	13	Marian Broomall—S-C.....X	.....	.50
	Floyd Gibbons—ID.....X	1.00	.....	14	Mariposa—S-C.....X	.50	.50
20	Fordhook Emperor—ID.....X	.35	.....	17	Marmion—ID.....X	.50	.....
C	Forest Fire—ID.....Y	10.00	5.00	30	Mary Ellen—FD.....X—Z	1.50	.75
16	Fort Monmouth—ID.....X	.75	.50	37	Mary Helen—B.....X	.75	.50
30	Fort Washington—FD.....Z	.50	.50	19	Maryland Glory—ID.....X	2.00	1.00
33	Francis Larocca—FD.....X	.35	.....	14	Maryland Orange—S-C.....X	1.00	.50
10	Frau Ida Mansfield—C.....X	1.00	.50	30	Meadowbrook—FD.....X	1.50	.75

INDEX—Continued

Page			Roots	Plants	Page			Roots	Plants
14	Minnie Eastman—S-C.....X	.50	.50		37	The U. S. A.—P.....X	....	.50	
9	Miss Elsie Jane—S-C.....X	4.00	2.00		35	The World—FD.....X	.50	.50	
42	Mitzi—Coll.....V	1.50	.75		34	Thos. A. Edison—FD.....Y	.75	.50	
30	Monmouth Champion—FD.....X	1.00	.50		33	Treasure Island—FD.....Y	.75	.50	
31	Monmouth Queen—FD.....X	7.50	3.75			Verheissung—ID.....X	.50	....
34	Mr. C. H. Dresselhuys—FD.....X	.25	....		19	Waldheim Sunshine—ID.....X	1.00	.50	
22	Mrs. Alfred B. Seal—ID.....X	.75	.50		11	Warren Church—St.C.....X	2.00	1.00	
7	Mrs. Bruce Collins—C.....X	....	5.00			Watchung Wonder—ID.....Z	1.00	.50	
37	Mrs. C. D. Anderson—B.....X	.50	.50		9	Wenoka—FD.....X	....	10.00	
37	Mrs. Frances E. Bullard—P.....X	....	.50		17	White Duchess—ID.....Y	2.00	1.00	
30	Mrs. I. de Ver Warner—FD.....X	.25	....		19	White Empress—ID.....X	.50	....
22	Murphy's Masterpiece—ID.....X	....	2.50			White Glory—FD.....X	.50	....
18	Myra Howard—ID.....X	2.50	1.25		16	White Wonder—ID.....X	5.00	2.50	
10	Neuer Griff—C.....X	1.00	.50		33	W. H. T.—FD.....X	.75	.50	
	New Deal—ID.....X	10.00	5.00		19	World's Best White—ID.....X	.75	.50	
16	New Glory—S-C or ID.....X	.50	....		42	Yellow Bird—S.....V	1.00	.50	
42	Newport Wonder—S.....V	.35	.35		15	Zion's Pride—ID.....X	10.00	5.00	
19	North's Yellow—ID.....X	1.00	.50			Zonta—FD.....X	....	5.00	
35	Old Hickory—FD.....X	.50	.50						
32	Omar Khayyam—FD.....X	1.00	.50						
14	Oriental Beauty—S-C.....X	.75	.50						
	Oriental Glory—ID.....X	....	3.75						
30	Orinda—FD.....X	....	1.00						
15	Palo Alto—S-C.....X	5.00	2.50						
12	Paul Pfitzer—S-C.....X	2.50	1.25						
23	Penn Charter—ID.....X	.75	....					
19	Pot O'Gold—ID.....Y	3.00	1.50						
23	Prince of Persia—ID.....X	1.50	.75						
42	Purity—S.....V	.35	....					
31	Queen of the Garden Beautiful—FD.X	.75	.50						
20	Ray Warner—ID.....X	4.00	1.00						
11	Rheinischer Frohsinn—C.....X	.50	.50						
35	Rising Sun—FD.....X	.50	....					
15	Robert E. Lee—S-C or ID.....Y	.75	.50						
21	Robert Emmet—ID.....X	5.00	2.50						
	Robert Scott—FD.....X	.35	....					
9	Rockley Moon—FD.....X	10.00	5.00						
	Rodman Wanamaker—ID.....Z	1.50	.75						
23	Royal White—ID.....X	1.50	1.00						
17	Ruby Tait—ID.....X	2.50	1.25						
23	Ruby Taylor—ID.....X	....	2.50						
13	Rudy Vallee—S-C.....X	2.00	1.00						
34	Sagamore—FD.....X	.35	....					
35	Salem Pride—FD.....X	.50	.50						
21	Sanhican's Bluebird—ID.....X	.35	....					
33	Sanhican's Cameo—FD.....X	2.50	1.25						
23	Sanhican's Queen—ID.....X	.50	....					
14	Satan—S-C.....X	4.00	2.00						
42	Scarlet Century—S.....V	.35	....					
20	Shahrazad—ID.....X	1.50	.75						
15	Siskiyou—S-C or ID.....X	.75	.50						
34	Snowcap—FD.....X	1.00	.50						
34	Snowdrift—FD.....X	.35	....					
42	Sofa—Coll.....V	....	.50						
	Sonny Boy—ID.....X	....	2.50						
10	Sport—C.....X	....	.50						
15	Star of Bethlehem—ID or S-C.....X	....	.75						
19	Strongheart—ID.....X	2.50	1.25						
30	Sultan of Hillcrest—FD.....Y	7.50	3.75						
	Tang—ID.....Y	1.00	....					
42	Tango—S.....V	.25	....					
19	The Commodore—ID.....Y	1.50	.75						
20	The Fireman—ID.....X	....	2.50						
23	The Lemonade—ID.....X	.50	....					
								</	

SEE ADDITIONAL VARIETIES ODD LOTS, PAGE 44.
ORCHID FLOWERING DAHLIAS, PAGE 38—V.

POMPON DAHLIAS, PAGES 42, 43—V.

TERMS AND DELIVERY

Orders will be filled with strong, field-grown root divisions unless green plants are specified. We will notify you if unable to supply any variety, as we do not substitute. Note our Quantity Discounts on Page 1.

CASH WITH ORDER. Stamps accepted up to \$3.00: above that amount check, money order or cash by registered mail. Roots will be sent April 15th to May 15th by parcel post prepaid, unless shipment is C. O. D., in which case the customer pays the C. O. D. charges.

Shipments to sections where plantings are at a different time will be made accordingly.

WARNING. Do not send cash by mail unless you have it registered.

NOTICE ON GREEN PLANT SHIPMENTS. Plants will be shipped from April 15th to June 15th, but cannot be sent C. O. D., as this causes delay. When roots and plants are ordered together, roots will be held and shipped with the plants unless otherwise specified. 25c must be included with all plant orders to cover special delivery except where there is no special delivery service at post office of destination; in which case, send 15c for special handling. We pay all regular postage. We do not guarantee safe delivery unless plants are shipped as above.

DAHLIADEL NURSERIES

PHONE 1051

VINELAND, N. J.



DAHLIA GROWERS' SUPPLIES

DAHLIADEL PLANT FOOD—Made especially for dahlias, of the highest grade materials, for the production of fine flowers and strong roots, and so blended to have a balanced food available as needed by the plant. Good also for all outdoor flowers and vegetables. A very economical fertilizer.

Directions: Spring application, 3 to 6 lbs. to each 100 square feet. August application, 3 to 4 lbs. This may be divided into three applications, but not over 10 lbs. to ten hills should be applied during a season.

Price, F. O. B. factory in Philadelphia, 50 lbs., \$2.75; 100 lbs., \$5.00; 200 lbs., \$9.00; ton, \$75.00.

Our brand is registered in New Jersey only, and we cannot make shipments into any other states.

POTASH MURIATE. To use in making up your own mixture. Four lbs. postpaid up to 4th zone, 55c; add 10c for each zone beyond 4th. Eight lbs. for \$1.00 postpaid up to 4th zone; add 20c for each zone beyond 4th. Potash Sulphate can be supplied at the same prices as Muriate.



IMPORTED PRUNING SHEARS, 8 $\frac{3}{4}$ inches. Double cutting blades make them especially desirable for

dividing and trimming dahlia clumps. We have used these shears for years. Suitable for general pruning as well. Postpaid, \$4.00.



FORGED STEEL PRUNING SHEARS. Single cutter, 9 in., works very well for all dahlia

work. Will take larger stalks than the double cutter type and stands up well in sand and grit. Postpaid, \$3.00.

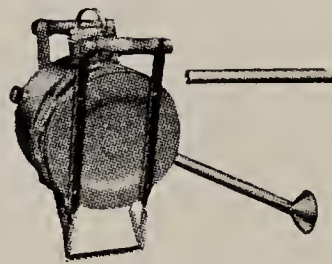
PYRETHRUM SOAP. A non-poisonous insecticide effective on all insect life and not injurious to animals or plants. Will not burn foliage or buds. A desirable spray for thrips, leaf-hoppers or aphids. According to reports this product gave very satisfactory results last season. Four ounces make 5 gallons of spray. Postpaid, including the 4th zone, 4 oz., 50c; quart, \$1.75; gallon, \$6.00.



An effective, non-poisonous solution that is deadly to all insects. Will not burn, blight, nor stain the most tender foliage. Rec-

ommended to check such insects as caterpillars, cucumber beetles, thrips, aphids, rose slug, leaf-hoppers, aster beetles, cutworms, wire worms, root lice, Japanese beetles, white flies, etc. Dilute with 200 to 800 parts of water. Full instructions with every bottle. 1 oz. glass, 35c; $\frac{1}{4}$ pt. tin, \$1.00; $\frac{1}{2}$ pt. tin, \$1.75; 1 pt. tin, \$3.25; qt., \$6.00. Postpaid, including 4th zone.

DAHLIADEL NICOTINE DUST (3% nicotine). We can ship only in New Jersey due to Federal restrictions. 5 lbs., \$1.50; 25 lbs., \$5.75, by express, collect. By parcel post, prepaid, 5 lbs., \$1.65.



PLATZ GREEN HAND DUSTER. Capacity 2 to 4 lbs. This duster is so light and easy to operate that it is a real pleasure to use it. Equipped with a 30-in. extension and spreader for dusting

from above or below. Postpaid, including the 4th zone, \$6.25; add 10c for each zone beyond the 4th.

TREE LABELS. Painted wood labels, $\frac{5}{8}$ x $3\frac{1}{2}$ ins., copper wired. 60c per 100; \$3.50 per 1,000, postpaid.

TREE LABELS. Plain (not painted) as above. 50c per 100; \$3.00 per 1,000, postpaid.

PLANT LABELS. Painted wood, $\frac{5}{8}$ x 10 ins. \$1.50 per 100, \$3.00 per 250, \$10.00 per 1,000, postpaid.

DAHLIA STAKES. White cedar pointed, 1 in. square, 4 ft. long, as they come from the saw. These stakes, not being real smooth, hold the twine from slipping with just one wrap, and are strong enough in ordinary culture. Bundle of 25, \$1.50; per 100, \$5.00, F. O. B. Vineland.

DAHLIA STAKES. White cedar pointed, $1\frac{1}{4}$ ins. square, 6 ft. long, planed on 2 sides. Suitable for gardens where dahlias are grown tall. Bundle of 25, \$3.00; per 100, \$10.00, F. O. B. Vineland. Five-foot stakes can be supplied at 10 per cent less than above price.

MODERN DAHLIA CULTURE—By W. H. Waite. Written to meet the needs of the novice and to interest the expert. 126 pages of clear type, well illustrated. Cloth binding. The best book to date. \$1.60 postpaid.

COLOR GUIDE. A limited number of Loose Leaf Guides as described in 1934 catalog. Postpaid, \$5.00.

DAHLIADEL COLOR GUIDE in the making. For show table and trial patch judging a guide and record book was designed by the author of this catalog, and although it is not in production in any quantity, we will endeavor to fill a few orders (to get the reaction and criticism of our customers). It contains 47 serviceable colors, all found in dahlias, which are arranged for the show table and ease in locating them. In loose leaf binder with 75 Dahliadel record sheets. Postpaid, \$3.50.

A. D. S. OFFICIAL SCORE SHEETS. The same as those used in 1934 at Storrs, Conn., and East Lansing, Mich. Size $6\frac{5}{8}$ x 4" suitable for scoring and making complete records of all dahlias, whether large or small, in the garden or in the show room.

100 Sheets punched, postpaid, .60
250 Sheets punched, postpaid, \$1.00

100 SHEETS IN LOOSE LEAF 6 RING FLEXIBLE IMITATION LEATHER BINDER.

Postpaid, \$1.10

DAHLIADEL Score Sheets, the same as the A. D. S. but with more complete garden record, priced the same as above. Sample sheets on request.

FROM

PLACE
POSTAGE
STAMP
HERE

Dahliadel Nurseries

WARREN W. MAYTROT

Vineland, N. J.



DAHLIADEL NURSERIES

WARREN W. MAYTROT
VINELAND, N.J.

THE HOME OF GOOD DAHLIAS WELL GROWN

SHIP TO NAME							
PRINT OR WRITE PLAINLY							
STREET				P. O. BOX		R. D.	
POST OFFICE				STATE			
COUNTY				SHIPPING DATE			
AMOUNT ENCLOSED		MONEY ORDER		CHECK OR DRAFT		IF OTHER THAN STATED IN CATALOG	
						STAMPS CASH	
SEND CASH BY REGISTERED MAIL ONLY. PLEASE FORWARD GOODS LISTED BELOW, SUBJECT TO TERMS IN CATALOG.							
DO NOT WRITE IN THIS SPACE							

QUANTITY		NAME OF VARIETY OR ARTICLE WANTED	PRICE EACH DOZ. OR C.		EXTEND AMOUNT HERE	
Roots	PLANTS		DOLLARS	CENTS	DOLLARS	CENTS
		1				
		2				
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				
		11				
		12				
		13				
		14				
		15				
TOTAL						

25c MUST BE INCLUDED WITH ALL PLANT ORDERS TO COVER SPECIAL DELIVERY. 15c MAY BE SENT FOR SPECIAL HANDLING INSTEAD WHERE THERE IS NO SPECIAL DELIVERY SERVICE AT POST OFFICE OF DESTINATION. WE PAY ALL REGULAR POSTAGE.

QUANTITY		NAME OF VARIETY OR ARTICLE WANTED	PRICE EACH DOZ. OR C.		EXTEND AMOUNT HERE	
ROOTS	PLANTS		AMOUNT FORWARD			
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				
		26				
		27				
		28				
		29				
		30				
		31				
		32				
		33				

ON YOUR RECOMMENDATION WE WILL BE GLAD TO SEND OUR CATALOG
TO YOUR FRIENDS WHO ARE REALLY INTERESTED IN DAHLIAS.

NAME	STREET	POST OFFICE	STATE



INFORMAL DECORATIVE

DWIGHT W. MORROW



TREASURE ISLAND
(DAHLIADEL)